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TELEPHONE NUMBER:
BANK 852 (two lines).

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[AUSTRALASIA, 1885]**

No. 1,553. / Vol. LXXV.

OCTOBER 30, 1909

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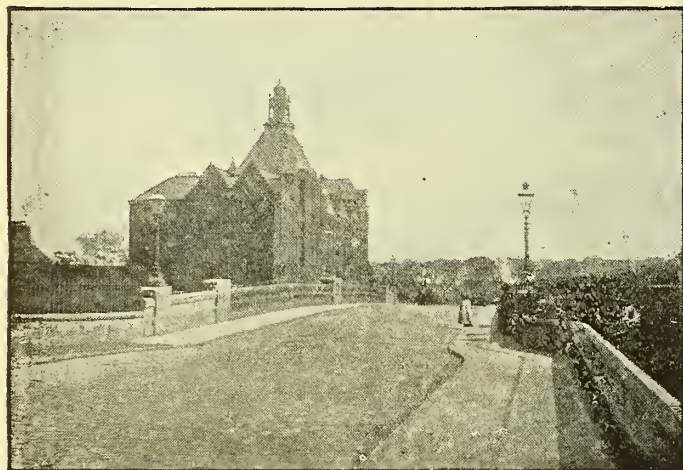


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We were the first to introduce the use of **MALT EXTRACT** in the manufacture of Bread, and our name is a sufficient guarantee as to the purity and genuine quality of the article.

There is no other trade in the country where fraud has been carried on to the same extent as in the manufacture of Malt Extract. All sorts of adulterated compounds have been made and foisted on Chemists, Bakers, and, indirectly, on the Public.

Some years ago we instituted criminal proceedings against several firms for fraudulent representation. In one case the manager of a firm admitted that each cwt. of the so-called Extract contained 60 lbs. Glucose. It was brought out in evidence that the Glucose cost 7s. 6d. per cwt. Another firm was obtaining cheaper railway rates owing to their declaring that their so-called Malt Extract was chiefly composed of Glucose, while publicly it was sold with a guarantee to Chemists and Bakers as Pure Malt Extract.

The extent to which deception was carried on in those days is even greater to-day. The latest adulterant is Dextrinised Potato Starch, which accounts for the introduction of the adulterated pale and flavourless Malt Extracts presently on the Market. No benefit is obtained by using these adulterated compounds.

A few years ago a firm of importers wrote us stating that they were supplying a number of firms with large quantities of Dextrine for the manufacture of Malt Extract, and that they would be pleased to quote us. This speaks for itself.

Analysts, unfortunately, have no means of determining Malt Extract from Glucose by chemical analysis; therefore guarantees are worthless. The only security purchasers of Malt Extract have lies in their dealing with firms of undoubted integrity.

Our **MALT EXTRACT** and our **BERMALINE EXTRACT** are guaranteed to be made entirely from the Finest British-grown Barley. Here is our guarantee. £5,000 will be paid to any Chemist, Malt Extract Manufacturer, Baker, Merchant, or member of the public, who can prove that we have, ever since commencing business, purchased or used in the manufacture of our **MALT EXTRACT** or our **BERMALINE EXTRACT** one ounce of Glucose or materials of any description for the purpose of substituting, adulterating, or cheapening same. The following are the conditions attached to this offer. If any person doubts the accuracy of the above statement, we are willing to submit our books to a firm of Chartered Accountants of high standing, to be mutually chosen, and should the person challenging fail to prove his case, he has to hand over the sum of £200, £100 each to be given to the Benevolent Funds of the National Association and the Scottish Association of Master Bakers.

Malt Extract is largely prescribed by the medical profession for children and invalids, and it is of the utmost importance that it should be supplied absolutely pure, and should contain all the digestive and nourishing properties of the finest malted barley procurable.

Owing to the completion of our new works at Ibrox, Glasgow, we are now in a position to supply to all users our Pure and Reliable **MALT EXTRACT**, subject to the above guarantee, at the following prices:—

In quantities of not less than 1 cwt.	-	-	-	5d.	per lb., carriage paid.
From 3 cwt. to 5 cwt.	-	-	-	4½d.	" " "
From 10 cwt. to 20 cwt.	-	-	-	4½d.	" " "
Terms for contracts and larger quantities on application.					

Our price for **BERMALINE EXTRACT** remains the same:—

Not less than 1 cwt.	-	-	-	6½d.	per lb. carriage paid.
3 cwt. and upwards	-	-	-	6d.	" " "
Subject to our £5,000 guarantee as to purity.					

After an experience extending to a quarter of a century in connection with the **MALT EXTRACT** Trade, and owing to the fact that analysts are unable to determine Pure Malt Extract from extracts adulterated with glucose and substances of a similar nature, we have come to the conclusion that there is no other means whereby the public can be protected and safeguarded from this fraudulent practice except by an Act of Parliament. We purpose bringing this matter before the President of the Board of Trade, the Members of the House of Commons and the House of Lords, and we cordially invite the co-operation of the Members, the Medical Profession, Chemists, Bakers, and the general public, to assist us in our endeavour to obtain legislation to prevent the adulteration of this most important article of diet, and for the placing of all Malt Extract Works under Government inspection.

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Hovenden, R., & Sons, Ltd.
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CLINICAL THERMOMETERS

Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Hicks, J. J.

Maw, S., Son & Sons

Newbery, F., & Sons, Ltd.

Perken, Son, & Co., Ltd.

Zeal, G. H.

CLOTH BALLS

O'Neil Zetts & Co.

COAL TAR SPECIALITIES

Wright, Layman & Umney, Ltd.

COCOA

Cadbury Bros., Ltd.
Frane Food Co.
Plasmon, Ltd.

COLD CREAM

Barnett & Co.

COLOURS, BEVERAGE, &c.

Boake (A.), Roberts & Co., Ltd.
Stevenson & Howell, Ltd.
(See also DAIRY ADJUNCTS)

COMBS

Hovenden, R., & Sons, Ltd.
Kent, G. B., & Sons, Ltd.

Maw, S., Son & Sons

May, Roberts & Co.

COD-LIVER OIL

Albrethson, A., & Co.
Allen & Hanburys, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Devold, Peder
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Oldfield, Pattinson & Co.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, A. & M.

CORKS

Ayrton, Saunders & Co.

Mitchell, N. W., & Sons, Ltd.

CORN CURE

Edwards, S.

CORN FILE

Lindsey, T. O., & Co., Ltd.

CORRUGATED PAPER

Eburite Paper Co.

COUNTER ADJUNCTS

Evans Sons Lescher & Webb, Ltd.

COUNTER SPECIALITIES

Allen & Hanburys, Ltd.
British Drug Houses, Ltd.
Hewlett, C. J., & Son
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

CREAM OF TARTAR

British Drug Houses, Ltd.

CREOSOTE

Baiss Bros. & Stevenson, Ltd.
Burt, Boniton & Haywood
Morson, T., & Son

CREPE BANDAGE

Gimber, W., & Son
Norwich Orpè Co. (1856), Ltd.
Wood, Vincent

CYANIDES

May & Baker, Ltd.

DAIRY SPECIALITIES

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

DEMIJOHNS

Bredt, E., & Co., Ltd.

DENTAL INSTRUMENTS

Hatrick, James L., & Co., Ltd.

DENTAL MECHANICS

Barker Fred. H.

Chalk, George, & Co.

Fentiman, A. G.

Fentiman, A. J., & Co.

Last & White

Taylor & Co.

Wardale & Co.

DENTIFRICES

Beecham, T.
Beiersdorf, P., & Co.
Bell, John, Hills & Lucas, Ltd.

Blackie, R.

Burroughs Wellcome & Co.

Calvert, F. C., & Co.

Christy, T., & Co.

Cook, E., & Co., Ltd.

Eucryl, Ltd.

Hall & Ruckel

Jewsbury & Brown

Lambert Pharmacal Co.

McKesson & Robbins

Maw, S., Son & Sons

Newbery, F., & Sons, Ltd.

Odol Chemical Works

Pierre, Dr.

Roland, A., & Sons

Standard Tablet & Pill Co.

Woods, W., & Son

Woolley, J., Sons & Co., Ltd.

DEXTRINE

Fink, F., & Co.

DIGESTIVE PRODUCTS

Armour & Co., Ltd.

Benger's Food, Ltd.

Fairchild Bros. & Foster

Parke, Davis & Co.

Squire & Sons

Zimmermann, C., & Co.

DISINFECTANTS

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.

Condy & Mitchell, Ltd.

Cook, E., & Co., Ltd.

Dalmas, A. de St., & Co.

Edwards, W., & Son

Jeyes' Sanitary Compounds, Ltd.

Kay Bros., Ltd.

Lambert Pharmacal Co.

Sanitas Co., Ltd.

Tomlinson & Hayward, Ltd.

Willows, Francis B. & T.

Wright, Layman & Umney, Ltd.

Zimmermann, C., & Co.

DOSE REGULATORS

Renter, R. J.

DIABETIC BREAD AND FOOD

Callard & Co.

Van Abbott, G., & Sons

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.

Berliner, Arthur

Burge, Warren & Ridgley

Bush, H. W., & Co., Ltd.

Chemist's Co-operative Wholesale

Christy, T., & Co.

Cook, Alfred, & Co.

Davis, J. M., & Sons

Edwards, W., & Son

DRUGGISTS' SUNDRIES

(continued)

Evans Sons Lescher & Webb

Fecher, M. J.

Hatrick, James L., & Co., Ltd.

Hay, J. B., & Co.

Hewlett, O. J., & Sons

Hovenden, R., & Sons, Ltd.

Lennon, Ltd.

Maw, S., Son & Sons

May, Roberts & Co.

Newbery, F., & Sons, Ltd.

Poths, H., & Co.

Quelch, H. O., & Co.

Reuter, R. J.

Sangers

Schutze, F., & Co.

Shirley Bros., Ltd.

Solport Bros.

Southall Bros. & Barclay, Ltd.

Tidman & Son, Ltd.

Toogood, W., Ltd.

Viscose Co., Ltd.

Wattenbach, O.

Wood, Vincent

Woolley, J., Sons & Co.

DRUGS, CRUDE

Carmichael, F. J., & Co.

Gathergood's Exor.

Hornor & Sons

Hymans, H., & Co.

Potter & Clarke, Ltd.

Ransom, W., & Son

Salle, H., & Cie.

DRYSALTERIES

Harker, Stag & Morgan, Ltd.

DYES

Judson, D., & Son

Whitaker & Co. (Hat)

EAR MOPS.

Cooper, R. H., & Co.

EAU DE COLOGNE

Breidenbach & Co.

Farina, J. M.

Farina, J. M. (No. 4)

Pickus, Conrenay & Co.

McCracken, J., & R.

Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy

Borough Polytechnic Institute

EMULSIONS, COD - LIVER OIL, ETC.

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley
Daval Rubber Co.
Hatriok, James L., & Co., Ltd.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL

Watkins & Donosar

EPSON SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke
EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Gathergood's Exor.
Hewlett, O. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Breft, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)

Berkefeld Filter Co., Ltd.

FLESH GLOVES

Sangers

FLYCATCHERS

Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatohe
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Strong, Christy
Tannbridge & Wright

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.
FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Caillard & Co.
Fairchild Bros. & Foster

FOODS, SPECIAL (continued)

Frame Food Co., Ltd.
Hepworth, Walter
Keen, Robinson & Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Virol, Ltd.
Wander, A.

FORMALDEHYDE

Burt, Boulton & Haywood

FRUIT CRYSTALS

Aerators, Ltd.

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLASSWARE, CHEMICAL

Zahradnik, Jos.

GLAUBER'S SALT

Bramwell, E., & Son

Howards & Sons, Ltd.

GLYCERIN

Boehm, F., Ltd.

GLYCERIN PLANT

Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES

Pointet & Girard

GOLD PAINT

Judson, D., & Son

GRINDERS

Allen, Stafford, & Sons, Ltd.

Goodall, Backhouse & Co.

Willows, Francois B. & T.

GUMS

Fink, F., & Co.

HAIR WAXES AND CURLERS

Merkham Trading Co., Ltd.

HAIR PREPARATIONS

Capsuloids (1909), Ltd.

Chesbrough Manfg. Co.

Edwards' "Harlene" Co.

Harker, Stagg & Morgan

Herpicide Co.

John Strange Winter

Oatline Co.

Robare's Aureoline

Rowland, A., & Sons

To-Kalon Mfg. Co., Ltd.

Woolleys, Ltd.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HEATING APPARATUS

Clark, S., & Co.

Gutmann, A. E., & Co.

Wright, John, & Co.

HERBS

Carmichael, F. J., & Co.

Potter & Clarke

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.

Epps, James, & Co.

Keene & Ashwell, Ltd.

Leath & Ross

HOTELS

Esmond Hotel

Kingsley Hotel

Thaokaray Hotel

HOT-WATER BOTTLES

Berliner, Arthur

Burge, Warren & Ridgley

Dunlop Rubber Co., Ltd.

Fulham Pottery & Cheavin

Filter Co., Ltd.

Galen Mfg. Co., Ltd.

Hutchinson Co.

Maw, S., Son & Sons

May, Roberts & Co.

Southall Bros. & Barclay

Tompkins, James, Ltd.

Wood, Vincent

HYDROGEN PEROXIDE

May & Baker, Ltd.

Sanitas Co., Ltd.

Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.

Tyrer, T., & Co., Ltd.

INHALERS

Christy, T., & Co.

Sangers

INK

Bewley & Draper, Ltd.

Hickisson, A. B.

INSECTICIDES

Christy, Thos., & Co.

Smith, B. A., & Co.

Tomlinson & Hayward, Ltd.

Vaporite-Strawson Co., Ltd.

Voss, Walter, & Co.

Woolleys, Ltd.

INSECT POWDER

Boehm, F., Ltd.

Smith, B. A., & Co.

IODINE AND IODIDES

Howards & Sons, Ltd.

Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Boling, Brown & Co.

Breit, B., & Co., Ltd.

Bush, H. W., & Co., Ltd.

Christy, T., & Co.

Cook, A., & Co.

Johnsen & Jorgensen, Ltd.

Kilner Bros., Ltd.

Lang, Jules, & Son

Maw, S., Son & Sons

Poths, H., & Co.

Reuter, R. J.

Stipendium Stopper Co.

Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanburys, Ltd.

Cox, Arthur H., & Co., Ltd.

Davies, Sons & Co.

Martindale, W.

Parke, Davis & Co.

Wilcox, Jozeau & Co.

LANOLINE

Burroughs Wellcome & Co.

Christy, T., & Co.

LARD

Chemist's Co-operative Wholesale

Ewen, J., & Sons

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.

Robinson & Sons, Ltd.

Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.

British Drug Houses, Ltd.

Carmichael, F. J., & Co.

Evans, Gray & Hood

Evans Sons Lescher & Webb, Ltd.

Horner & Sons

Jackson, E. E.

Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.

Fletcher, Fletcher & Co.

Hewlett, O. J., & Son

Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.

May & Baker, Ltd.

Merck, E.

LOOFAHS

International Sponge Importers

LOZENGES

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Jackson, E. E.

Meggeson & Co., Ltd.

Potter & Clarke

Raimes & Co.

Warriock Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.

Bennett, E., & Son, Ltd.

Bennett, Sons & Shears, Ltd.

Fecher, M. J.

Forshaw, E., & Son, Ltd.

Gardner, Wm., & Sons, Ltd.

Pindar, J. W., & Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Washington Chemical Co.

MENTHOL CONES

Bush, H. W., & Co., Ltd.

Maw, S., Son & Sons

MAILING CASES

Estes, E. B., & Sons

MARKING INK

Hickisson, A. (Bond's)

MEAT EXTRACTS

Armour & Co., Ltd.

Bovril, Ltd.

Brand & Co., Ltd.

Buvo, Ltd.

MALT EXTRACT AND PREP3

Allen & Hanburys, Ltd.

Blackie, R.

British DiaMalt Co.

Burroughs Wellcome & Co.

Evans Sons Lescher & Webb

Hewlett, O. J., & Son

Lorimer & Co., Ltd.

Montgomerie & Co., Ltd.

Oppenheimer, Son & Co., Ltd.

Paine & Co., Ltd.

Southall Bros. & Barclay, Ltd.

Tolkien, C., & Co.

Woolley, Jas., Sons & Co., Ltd.

Wright, Layman & Umney

MEASURES

Bush, H. W., & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.

Keene & Ashwell, Ltd.

Leath & Ross

Lloyd, T. Howard, & Co.

Parke, Davis & Co.

MERCURIALS

Howards & Sons, Ltd.

May & Baker, Ltd.

Merck, E.

Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

OPTICAL INSTRUCTION

British Optical Institute

ORANGE WINE

Melrose-Drover Co., Ltd.

PACKED GOODS

(See WHOLESALERS)

PALATINOLIDS

Oppenheimer, Son & Co.

PASTILLES

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Barronhays Wellcome & Co.
Denoual, J., & Co.
Epps, James & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.

PATENT AGENT

Barker, R. W.

PERFUMES

Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmie Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Oatine Co.
Original Antiseptic Pastille Co., Ltd.

Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mfg. Co., Ltd.
Warrick Bros.

West, T., & Son
Yardley & Co., Ltd.

PERFUME MATERIALS

Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lantier Fils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Simmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.

PESSARIES

Burge, Warren & Ridgley

Rendell, W. J.

PETROLEUM EMULSION

British Drug Houses, Ltd.

PETROLEUM JELLY

Carmichael, F. J., & Co.
Chesebrough Mfg. Co.
Schliemann's Oil and Ceresine Co., Ltd.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
Barronhays Wellcome & Co.
Merck, E.

PHOTO. ENLARGERS,**PRINTERS, &c.**

Express Developing Co.

Halifax Photographic Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Newbery, F., & Sons, Ltd.

PILL MAKERS

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.

PLASTIC MODELS

Plastic Advertisement Co.

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.

PLASTERS

Allcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.

POSTERS

Ford, Shapland & Co.

PRINTERS

Avery, W. R. F.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons

PROPRIETARY ARTICLES

American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd.
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuleids (1909), Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.

Cox, A. H., & Co., Ltd.
Curry, Henry

Daggett & Ramsdell
Daisy, Ltd.

Danyasz Virus, Ltd.
Da Silva & Co.

Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.

Denoual, J., & Co.
Edwards, W., & Son

Evans Sons Lescher & Webb
Faulding, F. H., & Co.

Fellows' Syrup
Fennings, Alfred

Ferris & Co.
Fulford, C. E., Ltd.

Goodall, Backhouse & Co
Gordon, Murray & Co., Ltd.

Grapelax, Ltd.
Guy's Tonic Co.

Henry, T. & W.
Hovenden, R., & Sons, Ltd.

Hughes, E. Griffiths
Ichthyol Co.

International Chemical Co.
Iron-Ox Rem. Co., Ltd.

Kay Bros., Ltd.
Keen, Robinson & Co., Ltd.

Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne

Lambert Pharmacal Co.
Lofthouse & Saltmer

Lorimer & Co., Ltd.
May, Roberts & Co.

Menley & James, Ltd.
Newbery, F., & Sons, Ltd.

Oatine Co.
Odol Chemical Works

Owbridge, W. T., Ltd.
Pedezy Co.

Phillips, Chas. H., Chem. Co.
Reitmeyer & Co.

Resinol Chemical Co.
Sangers'

Simmel & Co.
Scott & Bowne, Ltd.

Smith, Manrice
Squire & Sons

Standard Tablet & Pill Co.
Stedman's Teething Powders

Thermogene Co., Ltd.
Thompson & Capper

United Chemists' Association.
Voss & Co.

Wilcox, Jozean & Co.
Zetos, Ltd.

(See also DENTIFRICES and TOILET ARTICLES)

PULVELLÆ

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.

Pointet & Girard
Pulverettes

Quinine and Salts
Pumps

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RAPE OILS

Hull Oil Mfg. Co.

RAZORS

Auto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.
International Distributing Co.

RENNET

Fullwood, R. J., & Bland

Oldfield, Pattinson & Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.

Allen & Hanburys, Ltd.

Morson, T., & Son

Ransom, W., & Son

Smith, T. H., Ltd.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Burge, Warren & Ridgley, Ltd.

Davol Rubber Co.

Dunlop Rubber Co., Ltd.

Evans Sons Lescher & Webb, Ltd.

Fecher, M. J.

Galen Mfg. Co.

Hatrack, James L., & Co., Ltd.

Haywood, J. H.

Hovenden, R., & Sons, Ltd.

Hutchinson Co.

Maw, S., Son & Sons

May, Roberts & Co.

Wanklyn, H. A.

Warne, W., & Co., Ltd.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.

Smith, T. H., Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

Sthamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCALES, WEIGHING

Parnall & Sons, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zetos, Ltd.

SELTZOGENES

Aerators, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.

American Animal Therapy Co., Ltd.

Evans Sons Lescher & Webb

Parke, Davis & Co.

Simmel & Co.

Wilcox, Jozean & Co.

SHEEP-DIPS

Burt, Boulton & Haywood

Sanitas Co., Ltd.

Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.

Bowling & Son

Congdon & Son

Evans Sons Lescher & Webb, Ltd.

Josephs, P., & Son

Maw, S., Son & Sons

Mills, H.

Parnall & Sons, Ltd.

Rudduck & Co.

Sangers'

Southall Bros. & Barclay, Ltd.

SOAPS

Allen & Hanburys, Ltd.

Armour & Co., Ltd.

Bell (John), Hills & Lucas, Ltd.

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SODA FOUNTAINS

British Automatic Aerators, Ltd.

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Burrough, J., Ltd.

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SPONGE STANDS

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Kent, G. B., & Sons, Ltd.

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Wanklyn, H. A.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, OCTOBER 30, 1909.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus London."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

The circulation of the Chemist & Druggist Supplement this week (October 30th) exceeds

17,000 COPIES

and will reach THE ENTIRE TRADE.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—BLACKHEATH (within easy distance of).—Ready money Business; Retail, Dispensing, and Photographic; gross receipts average £1,200 yearly; *net profit* 25 per cent.; attractive, well-fitted shop; position good; rent £67; price £900.
- 2.—FULHAM.—Established Business; Retail, Dispensing, Prescribing, and Photographic; returns average over £600, last year being £646; *profit (net)* £213; the shop is fitted in mahogany and thoroughly stocked; price £450.
- 3.—THAMES VALLEY.—Established Business, Retail, Dispensing, Prescribing, and Photographic; returns average about £1,000 per annum; *net profit between* £250 and £300; modern-fitted shop; comfortable house; price £500.
- 4.—NORWOOD.—Light Retail, Dispensing, and Photographic; all good middle-class business; returns £600; *gross profit* £254; comfortable residence; good-sized garden; rent £36 yearly; price £400.
- 5.—SOUTH KENSINGTON.—Dispensing and Retail Business; excellent position; returns between £1,100 and £1,200 per annum; *net profit* £350; well-appointed shop, single fronted; price £1,000.
- 6.—LONDON, S.W.—Old-established Business; situate in close proximity to busy railway station; returns £1,256; *net income* £439; price £1,000.
- 7.—LONDON (Northern Suburb). Cash Retail, Dispensing, Prescribing, and Optical; returns £594; *gross profit* £268; comfortable residence, private entrance; price £350, or valuation of stock and fixtures.
- 8.—GLOUCESTER (within easy distance of).—High-class Business, Dispensing and Retail; returns average £1,306 yearly; *net profit* £320; handsomely fitted shop; corner position; commodious house, held on lease; further details on application.
- 9.—BERKS.—Very old-established Business, Retail and Dispensing, with Wine and Spirit Department; the *net income* is £371; intending investors with £1,000 at command will find this a sound investment.
- 10.—LEEDS.—Ready money Business; established 40 years; returns exceed £600 yearly; rent £51 per annum; no immediate opposition; terms, valuation, or reasonable offer.
- 11.—HOME COUNTY.—Mixed Business; established 1804; returns average £940; *net profit* £500; large house with garden attached; rent £60, held on lease; price £750.
- 12.—WORCS. (Market Town).—Retail, Dispensing, Photographic, and Optical; established many years; returns average £1,089 yearly; *gross profit* £450; double-fronted shop; position unique; roomy house; terms, valuation of stock and fixtures and sum for goodwill to be arranged equitably.
- 13.—CORNWALL.—Retail and Dispensing Business; held by vendor many years; returns exceed £1,400 yearly; scope for development; terms, goodwill £50, stock and fixtures at a fair valuation.
- 14.—YORKS.—Modern Pharmacy; returns about £1,600, increasing; *net profit* £350; large shop, corner position; intending investors with £1,100 at command will find this a sound investment.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

CHEMISTS' VALUERS AND TRANSFER AGENTS,

Telegrams: "Brett Leicester."

8 WEST STREET, LEICESTER.

Telephone: 160 Y.

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal. **AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

1.—**MIDLANDS.**—A good steady General Retail in a very busy town; old established, together with a Tobacconist's adjoining; Chemist's returns £15 per week; Tobacco returns £50 per week; excellent premises; price £150 and valuation, about £600 (for the two Businesses); a rare opportunity.

2.—**WEST MIDLANDS.**—One of the finest Businesses in the district; pretty market town; very nice Family Retail, Agricultural, Photo, little Wholesale and Mineral waters; excellent shop and premises; returns considerably over £2,000; price, goodwill and valuation, about £1,900; very profitable; vendor will consider partner with £1,000; references required.

3.—**GLOUCESTERSHIRE.**—Very nice Retail, Dispensing, and Prescribing in very pretty district; returns nearly £800, and steadily increasing; good profits; good house and shop; price £550; an excellent business.

4.—**CHESHIRE.**—Good-class Retail and Photographic; rapidly increasing; good lock-up shop, but convenient; Post Office attached, which brings in £70 per annum; returns £430; valuation about £300; low rent; a rare chance.

5.—**BRADFORD Suburb.**—Mixed Cash Retail, Dispensing, and Prescribing, also Wines; old-established; in fine position; returns last year over £1,000; now about £14 per week; been neglected; can easily be worked up again; rent £35; price £120 only for quick sale.

6.—**LONDON, W.**—Good-class Retail and Dispensing in thickly populated residential neighbourhood; several valuable Proprietaries; splendidly fitted shop and excellent house; returns £650, and increasing; price £650, or valuation; worth prompt attention.

7.—**YORKS.**—In the busiest thoroughfare and in the centre of large manufacturing town, an up-to-date good-class Pharmacy; imposing

premises; excellent house and shop; returns about £1,800; good profits; valuation, about £1,100; an excellent concern.

8.—**MANCHESTER.**—Good middle-class Retail; nice house and good shop; old established; returns £400; net profit £180; price £160, or will accept reasonable offer for quick sale.

9.—**YORKS** (on the borders of Lancs).—A very nice General Retail, with splendid sale of own Proprietaries; good house and large shop; returns under manager £925; very profitable; price £50, and stock and fixtures at valuation; good business to be done in Optics.

10.—**DEVON.**—Good-class Light Retail and Dispensing; old-established; very nice convenient house and large garden; returns nearly £1,000; net profit over £300; valuation, about £850; part can remain; low rent; an excellent opportunity.

11.—**LANCS.**—General Light Retail in busy manufacturing town; nice shop; main street; low rent; returns £1,200; profitable; price about £550, or valuation; splendid opportunity.

12.—**LANCS.**—Good General Retail, with Wholesale in Carded Good and Sundries, with small shops; nice shop and premises; returns about £2,000; price valuation (about £500); a great bargain.

13.—**GLOUCESTERSHIRE.**—Very nice Retail, Dispensing, and Prescribing in very pretty district; returns nearly £800, and steadily increasing; good profits; good house and shop; price £550; an excellent business.

14.—**SURREY.**—General Light Retail, Prescribing, and little Photo; no serious opposition; convenient house; old-established; returns £600; net profit £200; price £250.

15.—**DERBYSHIRE.**—Good-class Family Retail and Prescribing; convenient shop and house used in business; rent only £21; returns about £800; net profit about £250; valuation only, about £400; an excellent opportunity.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—**MIDDLESEX** (Northern Heights).—Good-class Retail, with excellent Specialities; returns over £1,900; splendid position; good residential locality; elegantly fitted Pharmacy, heavily stocked; price £1,250; personally inspected.

2.—**BUCKS.**—Good-class Retail and Dispensing Business; in central position; returns about £700; large house and garden; attractive shop, heavily stocked; price £550.

3.—**SUFFOLK.**—Light Retail, Dispensing, and Prescribing Business, unopposed; returns average £800; good profits; scope for increase; very convenient house; well-fitted shop, heavily stocked; price £575, or offer.

4.—**DEVON.**—Good profitable Retail and Prescribing, with Dispensing; in splendid position; returns £500; net profit £190; fine corner shop and good house; price £300, simply valuation.

5.—**COUNTY DURHAM.**—Good-class Light Retail Business; easily worked; returns exceed £650, increasing; net profit £200; well-fitted shop, fully stocked; no near opposition; price £400.

6.—**MIDDLESEX.**—Light Retail and Prescribing Business; returns £500; fast-growing district; best position; low rent; good house and long garden; price for early sale £225; worth attention.

7.—**DERBYSHIRE.**—Unopposed Light Country Retail Business; returns over £600 under manager; plenty of scope; corner shop (lock up); rent only £15; price £250, or valuation.

8.—**VICTORIA STATION** (near).—First-class Retail; returns over £1,250; net profit £438; splendid position; price £1,000.

9.—**LONDON, S.E.**—Busy main road; returns £1,000; net profit £300; price £500; part can remain.

10.—**LIVERPOOL.**—Light Cash Retail Business; well established; returns about £1,000; net profit over £250; handsomely-fitted shop, in unique position, fully stocked; valuation only required; about £425; strongly recommended.

11.—**LANCS.**—Light Retail and Prescribing Business, with Dentistry; pleasantly situated; returns over £800; net profit £330 clear; fine corner shop, fully stocked; nice house; price £700.

12.—**WEST OF ENGLAND.**—Unopposed Light Country Retail Business; in small town; returns approach £500; good profits; rent £25; large house and garden; price £400, or near offer.

13.—**CHESHIRE.**—Light Retail, Dispensing, and Prescribing Business, in good position; returns £800, excellent profits; good house; well fitted and stocked; price £380, less than valuation.

14.—**YORKSHIRE.**—High-class Retail and Dispensing Business, increasing steadily; returns about £700; pleasant locality; practically unopposed; modern Pharmacy, well stocked; price, simply valuation, plus £50 goodwill.

15.—**SURREY.**—Good-class Light Retail Business; in growing residential town; returns £550; no heavy trade; net profit over £200; good house and garden; charming locality; price £450.

16.—**NORTHANTS.**—Profitable Light Retail Business; returns over £500 under management; half profit; unique position; unopposed; stands to do £700 to £800; low rent; good house; price £400.

17.—**SOUTH KENSINGTON.**—Good-class Retail and Dispensing; returns over £1,100; net profit £350; main road position; price £850.

18.—**LONDON, N.**—Light Suburban Retail; returns £950; net profit £345; good position; books properly kept; price £625.

STOCKTAKING VALUATIONS.

WHAT A CLIENT SAYS.

October 18, 1909.

GENTLEMEN,—I wish to say that at my recent stocktaking, conducted by Mr. Fish, I was put to *no inconvenience at all*, although before having it taken was afraid it would cause me a lot of trouble. I enclose cheque in settlement.

Yours faithfully, A. E. D.

BUSINESSES WANTED.

WHAT A CLIENT SAYS.

October 25, 1909.

DEAR SIRs,—I beg to enclose cheque for £—, in settlement of your account. I thank you for the attention you paid to my application and for the expeditious manner you introduced a purchaser, in fact, all the men you introduced me to were likely buyers. Yours truly, L. E. T.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO
Telephone: MESSRS. MEGGESON & CO.
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IN the principal thoroughfare of a small fashionable South Coast town, a good Family Retail and Dispensing Business, increasing annually; last year's returns over £800; modern corner shop, well fitted, double front; large house, separate entrance, and garden; lease 14 years, £70 and £75; price very small goodwill and valuation of stock and fixtures, say £500; vendor going abroad immediately.

IN centre of main thoroughfare, London, S.E., an old-established and prosperous Cash Retail, returning £900; absolute net profit about £300; good shop, well fitted, fully stocked; large house, very nice garden; price £530.

IN Liverpool and in Manchester, small old-established Cash Retail, returning about £400, and rent £25; price £150.

LONDON, N.—Cash Retail; returns £685; no Dentistry, Photo, or Optics; corner shop in well-known thoroughfare; rent £45 on lease; price £250.

Periodical valuations conducted without disturbance of stock at specially moderate prices. Correspondence invited.

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Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

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3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

LONDON WHOLESALE MANUFACTURING

Tooth and Hair Brushes for Sale, owing to death of proprietor; trustees will sell for £1,000 as a going concern. Apply, Addis, 44 Herbert Street, Hoxton.

BEDFORDSHIRE. CHEMIST AND HERBALIST. FOR SALE.

OLD-ESTABLISHED Business in busy thoroughfare; long lease; Stock, Fixtures, &c.; goodwill at nominal sum; proprietor retiring in consequence of ill-health.

Particulars of H. Holyoak & Son, Auctioneers, Surveyors, and Valuers, 23 Castle Street, Luton.

BIRMINGHAM SUBURB.—A genuine Light Retail Business for Sale in residential district; pleasantly situated; good convenient house; a real bargain. Full particulars on application. 219/16, Office of this Paper.

EAST KENT.—Small Prescribing Business, within easy reach of London; returns close on £300 per annum; good profits; scope for increase; large population; no near opposition; good opening for Dentistry and Optics; owner leaving the trade; rent £24; price, valuation of stock and fixtures, about £100. Apply, 276/22, Office of this Paper.

EDINBURGH.—Dispensing and Retail Drug Business in good-class neighbourhood in town for early Disposal; stock light and in good condition; well fitted; moderate rent; full particulars to bona-fide inquirers. Apply, Messrs. T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh.

KENT.—A small Branch ready money Business at Swanscombe; a growing important industrial centre; population 8,000; no opposition; returns £7 weekly, has done more; under personal management the present returns could be easily increased, thus ensuring a good premium if re-sold; house and small garden; rent £35; price, valuation of stock and fixtures. Apply, R. Feaver Clarke, 21 High Street, Gravesend.

KENT (within 15 miles of Town).—Good-class Retail and Dispensing Business, returning over £1,800 per annum, and dispensing over 10,000 prescriptions; net profit between £450 and £500; good house, long lease; price £1,250; most satisfactory reasons for sale; strict investigation courted, and only cash buyers treated with. "M. J. T." (275/3), Office of this Paper.

LEEDS Suburb.—Drug Store; suit qualified or unqualified; Mixed Retail and Prescribing Business; same hands 7 years; having other business has been much neglected; good convenient house; very low rent; splendid opening for Dentistry; no near opposition; valuation under £100, and could be reduced. Apply, 96 Armley Grove Place, Leeds.

LONDON.—For Sale, through ill-health, a lucrative Business in a busy working-class locality; the net profits are excellent and scope for increase is afforded; good opening for Dentistry; price required not much more than one year's profits; part purchase money might remain to suitable man. "Reliable" (276/15), Office of this Paper.

LONDON.—A well stocked and fitted Shop, situated in main thoroughfare; capable of substantial increase; lease 7 years; rent £60; returns between £600 and £700; will be sacrificed for £200 cash down; every investigation courted. Apply, "J.", 2 Elsinore Road, Forest Hill, S.E.

LONDON, N.—Genuine old-established Business for Sale; satisfactory reasons for disposing; no immediate opposition; really good investment; returns last four years average £800. 272/21, Office of this Paper.

LONDON Suburb.—A Manager of a promising and neglected business could introduce a qualified man with small capital, about £600 or £700, to an exceptional opportunity of purchasing for less than value of stock and fixtures; undeniable position; purchase money about £350; would arrange introduction if required. "Tripod" (271/31), Office of this Paper.

LONDON (East).—Old-established Retail and Prescribing Business in good position in working-class shopping thoroughfare; returns £400, has done double; net profit £160; held by vendor (who is retiring) many years; low rent; price reduced for quick sale. 275/28, Office of this Paper.

MIDLANDS.—For Disposal, Chemist's Business; situated in main street of county town; Light Retail and Photographic trade; turnover £1,100; £300 down, balance to suit purchaser. Apply to "Delta" (272/17), Office of this Paper.

MIDLANDS (Health Resort).—Genuine high-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop well re-fitted and stocked, with commodious premises suitable for extensive trade; Wine and Spirit licence attached; same hands 30 years; cash returns £2,400; price £1,700, with lease; no agents. "M.", 47 Clarence Road, Moseley, Birmingham.

NORTH London; main road; unopposed profitable populous working-class residential district; very few patents; rent 12s. inclusive; lock-up shop, stock-room, shed; house optional; returns £5 to £6; neglected management; suit unqualified; good Dental opening; shop well fitted and stocked; satisfactory reason for disposal; established 15 years; low price. Write, "Genuine" (276/1), Office of this Paper.

RICHMOND and Kingston (near).—Main marketing thoroughfare; high-class neighbourhood; Light Retail, Prescribing, and Dispensing Business; takings £800 per annum, at full prices, which with modern trading can be greatly increased by smart up-to-date Pharmacist; about £450 for immediate sale, to include valuable fittings, stock, and goodwill; lease; modern premises, 8 rooms, bath; rent £70. Apply, Cross & Co., 57 London Road, Twickenham.

SOUTH WALES.—£650 will secure a sound Business; established over 20 years; doing under management £850 per annum; unopposed; district of 10,000 population; part cash can remain; low rent; long lease. Apply, 268/32, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

SURREY.—Easy distance of charming scenery; a genuine Retail, Prescribing, and Photographic Business; nearly £6 weekly; may be considerably increased; well fitted; clean saleable stock; excellent Proprietaries; good house; moderate rent; bath, etc.; garden; on account of health, the first reasonable offer accepted for quick transfer; no agents. "Thyroid" (270/14), Office of this Paper.

SUSSEX.—Good-class Retail and Dispensing Business in a rising town on the coast; returns over £800 and a clear income of £260 yearly; modern, well-fitted shop; good stock; nice house, with every convenience; price £550; fullest investigation offered. "Coast" (275/03), Office of this Paper.

W.C.—An old-established Chemist's Business for immediate Disposal; near Lincoln's Inn, Chancery Lane. Apply, "Delta," c/o Heaton, Squire & Francis, Graham Street, City Road, N.

WEST OF ENGLAND.—Through death of proprietor, genuine old-established Mixed Country Business for Sale, consisting of Chemistry, Grocery, Gilbey's Agency, Bottled and Cask Beers; premises belong to widow; splendid centre for enterprising man; price, including everything, £500; rent £40 a year. Apply, 273/26, Office of this Paper.

YORKSHIRE.—Country Business; unopposed; owner retiring; returns £500; great scope for increase; rent £25; good house, private entrance; price £250 or valuation and small goodwill; this is an excellent opportunity for young man with up-to-date methods. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

YORKSHIRE (West Riding).—Light Retail; returns £16 weekly; good profitable trade; net profit £230 yearly; present hands 12 years; rent £45; good house; lease; price, valuation, about £600. Apply, F. W. Smith, 3 Belgrave Terrace, Leeds.

A BARGAIN, for £150 or near offer; fittings cost three years ago £300; well situated for quick cash trade; especially favourably placed for Optician; 20,000 inhabitants and no other optician; owner has another business (Staffordshire). "Magnum" (273/34), Office of this Paper.

A GOOD opportunity of acquiring an established Business at a price much below value in S.W. suburb; same hands 10 years; valuation about £350. Address, "Statim" (268/21), Office of this Paper.

CHEMIST Business for Sale in crowded neighbourhood; profits £200 year; low rent; large Prescribing trade; profitable Retail; could be increased by energetic man; in same hands for nearly 20 years; proprietor retiring; no agents. Write, 275/38, Office of this Paper.

DRUG STORES; London, E.; working-class district; old established; returns under lady's management from £7 10s. to £8 10s. weekly; easily worked; mostly penny trade; very profitable; suit lady or gentleman; a good cheap Prescriber would do well; price (all at) £150; thoroughly genuine; full investigation courted; a comfortable small house with side entrance. Apply, 275/35, Office of this Paper.

FOR immediate Disposal; working-class locality; few Patents; plenty Prescribing; well stocked and fitted; double-fronted shop; weekly expenses about 28s.; healthy 7-roomed house and district; returns average £10 weekly under manager; must be sold for the low price of £150; any reasonable offer accepted; S.W., 10 miles out, Surrey. 275/40, Office of this Paper.

GENUINE concern; well stocked; modern fittings; centre of market; quick small trade; few patents; rent of shop and parlour 13s.; trial given; price £85, or near offer quick purchaser. "J. W. W.," 123 Amity Road, Stratford.

INDIFFERENT Managers, reason for selling Business; £10 to £15 weekly; working-class district of Liverpool; main thoroughfare; corner shop; good windows; this is an opportunity which a small advert. is powerless to demonstrate; no offer entertained below £250. Particulars from "Zonix" (267/27), Office of this Paper.

MEDICAL HALL (Belfast) for Sale; Dispensing and Retail Cash trade; leading thoroughfare; 32 years established; Medical patronage; owner retiring; splendid opening for young man. Apply, Macfarlane, 133 Royal Avenue, Belfast.

OLD-ESTABLISHED Business near London; satisfactory reasons for disposal; excellent opportunity for young Pharmacist wishing to acquire a high-class connection; full particulars to *bona-fide* inquirers. 273/15, Office of this Paper.

SPECIAL OFFER.—Old-established profitable Chemist's Business in Western seaport; average takings last three years £1,300; excellent reasons for disposal. For full particulars apply, "Lyn," o/o 25 Westwell Street, Plymouth.

TO CHEMISTS.—For immediate Disposal, Business situate in the City; lease having about three years unexpired at a rent of £112 2s. per annum; very extensive premises, consisting of double-fronted shop, large cellars, and 8 living rooms; turnover about £1,000 per annum; stock £500 at cost; the business is being carried on under a deed of assignment for the benefit of creditors, and as the Committee of Inspection are anxious to dispose of the matter at the earliest possible moment, they are prepared to accept the very low sum of £350 for the lease and goodwill, stock, fixtures, fittings, and utensils, or, in the alternative, to sell the whole concern for the valuation price of the stock, fixtures, and fittings. Further particulars of Francis, Nicholls, White & Co., Chartered Accountants, 14 Old Jewry Chambers, E.C.

TRUSCOTT & MORRIS, 11 Bond Court, Walbrook, E.C., have the following Businesses for Sale; London, good Retail and Dispensing, returns £1,500, price £750; Suburbs, returns, £646, price £450; Middlesex, returns £460, price £160; Yorkshire, returns £7 per week, price £150. For further particulars write or call at above address.

£70 (all at) for quick sale, Drug Store, in Birmingham working-class district; excellent opportunity for unqualified or qualified; well fitted and stocked; low rent; electric light; very profitable; plenty of scope. Apply, 269/40, Office of this Paper.

£80; busy centre; established marketing thoroughfare; N.W.; practically unopposed; dense population; considerable proportion first class; position second to none; business builders valuable asset; warrants modernising fixtures, producing handsome Pharmacy; vendor's age compels disposal, consequently bargain; £50 can remain payable out of profits; purchaser adopting up-to-date business methods must do well. 273/36, Office of this Paper.

£140; large seaport; South Coast; old-established Retail and Prescribing Business; returns £7 weekly, increasing; good scope for increase; reason for selling, having another business to attend to. Apply, 272/33, Office of this Paper.

£300; genuine bargain; a modern-fitted and up-to-date Drug stores; fitting up shop cost £250; immense stock, including over £50 in good Patent Medicines; large shop, 7 nice rooms, store-room, and basement; weekly takings average £13; no near opposition; grand chance for smart man; a trial allowed. Apply, "P. P.," 90 Cecil Road, Upton Manor, E.

TENDERS.

ACTON URBAN DISTRICT COUNCIL.

TENDERS are invited for about 3 tons of Permanganate of Potash and 35 cwt. of Chloride of Lime, which the Council has for sale at their Sewage Works, Warple Way, The Vale, Acton, W.

Tenders, which must be upon forms to be obtained on application at the Surveyor's Office, 57 High Street, Acton, to be delivered in sealed envelopes endorsed "Chemicals," not later than 3 P.M. on Wednesday, November 3rd, to the Surveyor at the above-mentioned address.

Canvassing Members or Officials of the Council, either directly or indirectly, will disqualify.

By order,

WM. HODSON,

Clerk to the Council.

Council Offices, 242 High Street, Acton, W.
October 21, 1909.

BUSINESSES WANTED.

ADVERTISER requires Business, London preferred, showing net profit about £200; *bona-fide* applications only entertained; no agents. Full particulars in first letter to "Buyer" (276/4), Office of this Paper.

ADVERTISER requires a Business showing a net profit of not less than £250 per annum. Send full particulars to "Thymol" (274/2), Office of this Paper.

ADVERTISER is open to Purchase a Business; capital at command up to £2,000. Full particulars in confidence, "G. B. O." (268/27), Office of this Paper.

MESSRS. BERDOE & FISH have a large number of clients unsuited, requiring to purchase Businesses returning £800 to £1,200 in the Midlands and Southern Counties; cash buyers only are introduced, and strictest privacy can be relied upon. Confidential particulars should be sent to Berdoe & Fish, 35 Jewry Street, Fenchurch Street, E.C.

WANTED, a small Drug-store or Mixed country Business, unopposed, for cash. Please state full particulars to 273/15, Office of this Paper.

WITHIN two hours' rail Liverpool. Wanted, sound Business, showing £300 or £400 profit per annum; must be in pleasant surroundings; good house with garden essential; replies treated with confidence; references before particulars if requested. "N. W." (273/8), Office of this Paper.

TO LET.

SHOP to Let; positively a good opening for a Chemist and Druggist; no other Chemist shop in the road or near; situated in a fast-growing neighbourhood where Chemist is much needed. Address, 86 Moyser Road, Streatham. Apply, H. Thorp, 42. Pretoria Road, Streatham Park.

FOR SALE.

FOR Sale, the whole of the Fixtures and Trade Utensils, comprising wall-fixtures, counters, wall-cases, counter-cases, dispensing-scales, window-fittings, shop-rounds and jars, etc. Apply, J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

SODA-WATER Apparatus, Anglo-American Co.'s, No. 3 carbonophone, hand-power pump, 10-gal. carbonator, tin lined, pressure gauge, aëration by fine spray; filling, aëration, and pumping may all proceed together; also block-tin piping and syphon-filler; cost over £34; will sell and deliver free for £22; new 2½ years ago. 253/16, Office of this Paper.

AGENCIES.

REPRESENTATIVE Agents required in all parts of the United Kingdom by new-established manufacturing firm of high-class Eau de Cologne and Cosmetics. Only those who are well-introduced in the trade may apply to 275/6, Office of this Paper.

PARTNERSHIPS.

AUSTRALIAN firm has an opening for a gentleman with £500 to £1,000; fine climate; good position offered to one conversant with home markets and can buy well. Apply, by letter, "Australia," c/o Schutze & Co., Black Bull Works, Caledonian Market, London, N.

PARTNER wanted in good-class London Retail and Dispensing Business; net profit over £400; proprietor, through ill-health, has not been able to give proper attention, and requires capable help; qualification not absolutely essential. Full particulars (in confidence) from "G." (276/11), Office of this Paper.

APPRENTICESHIPS.

TRUSTEES of youth (16) desire to apprentice him for three years; has slight knowledge of Retail; small premium. Full particulars to White, Chemist, Earl Shilton, Leicestershire.

BOARD AND RESIDENCE.

TO ASSISTANTS AND OTHERS.—Apartments; board optional; moderate terms. Address, Mrs. Louisa B. Privett, No. 4 Guilford Place, Russell Square, W.C. Established 1886. Telegrams, "Hightoned," London.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK *Oct 23 1909*

NATURE OF ADVT	REPLIES
MANAGER (Unqual.)	70
MANAGER	47
TRAVELLER	27
DISPENSER	26
MANAGER	24
QUAL. DISPENSER	16

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that *the Advertiser* pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

RETAIL.

BIRMINGHAM.—Qualified Assistant, about 25; indoors; abstainer preferred; knowledge of Photography; quick at counter; accurate and neat Dispenser; hours 8 to 8; half-day off weekly from 1; alternate Sunday duty 6 to 9; good references essential. Full particulars, enclosing photo, stating salary, to H. Critchlow, 161 Monument Road, Edgbaston, Birmingham.

BOMBAY.—Qualified (Minor); age about 26, with good experience; passage paid P. and O. out and home; 3 years' agreement. Apply, "R. L.," c/o S. Maw Son & Sons, 7 to 12 Aldersgate Street, E.C.

CHESTERFIELD.—Wanted, Junior Assistant for Retail and Dispensing. Apply, stating full particulars, to T. Furness & Son, The Pharmacy, Chesterfield.

EAST COAST.—Wanted, thoroughly reliable Assistant (qualified); good Prescriber and able to take charge; permanency and progressive salary to the right man. Full particulars, with salary expected, references, etc., to 224/5, Office of this Paper.

LIVERPOOL.—Part-time Junior Assistant wanted; a splendid opportunity for gentleman desirous of attending Minor classes at the Liverpool School of Pharmacy. Apply, Marples, 5 Berry Street, Liverpool.

LONDON, S.W.—Required, soon, an Assistant (outdoors) to take charge of a Branch. Apply, personally if possible, or if by letter, state age, salary, and other particulars to T. Reece, 53 Harley Street, London, W.

LONDON, S.W.—Junior Assistant (outdoors) for Retail and Dispensing; knowledge of Photography essential, Printing, Developing, etc.; time for study could be arranged; reasonable hours. State salary and usual particulars to R. A. Waddell, 686 Fulham Road, S.W.

SITUATIONS OPEN (continued).

LONDON, EAST.—Medical man requires qualified Dispenser and Bookkeeper for evening work; only week-days; salary 12s. week. Apply, by letter, 270/32, Office of this Paper.

LONDON, S.W.—Manager wanted for Branch; medium-class trade; qualified; age 30 to 40; small house. Apply, personally, or write full particulars to Enues & Co., Chemists, 91 High Street, Wandsworth, S.W.

LONDON Suburb.—Qualified Branch Manager for good-class Retail, Dispensing, and Photographic; excellent residential accommodation; close at 2 on Thursdays; Sunday duty two hours fortnightly. Give full particulars, age, height, experience, salary expected, copies of references and photo, if possible, to Matthews (Cash Chemists), Ltd., High Road, Leyton, Essex.

LONDON, S.E.—Wanted, an experienced Dispenser; unqualified; outdoors. Apply, by letter, stating full particulars, age, references, salary required, and when disengaged to "A. O." (273/5), Office of this Paper.

LONDON, W.—Required, immediately, for the counter in a high-class business, a smart, active, and gentlemanly Assistant; one having London Store experience preferred; outdoors; no Sunday duty. Apply, S. F. Goss, Ltd., 134 Regent Street, W.

LONDON, W.—Junior Assistant required in first-class Dispensing business; bedroom provided, board out. Apply, giving full particulars and salary required. "A. B." (275/16), Office of this Paper.

LONDON (S.E. Suburb).—Energetic Assistant of gentlemanly appearance and address; good opportunity for one with thorough knowledge of visual Optics; Minor qualification desirable, but not essential. State salary and full particulars. "Optics" (275/17), Office of this Paper.

LONDON.—Unqualified Assistant for high-class Pharmacy; indoors; only one kept; must be neat, quick, and accurate Dispenser and good salesman. State salary required and full particulars of experience, enclosing photo, if convenient, "Pharmacist," c/o British Drug Houses, Ltd., 22/30, Graham Street, City Road, N.

PRESTON.—Experienced Assistant for high-class Dispensing and Photographic business; qualification not necessary. Crompton, 28 Fishergate, Preston, Lancs.

SCARBOROUGH.—Early in December, outdoor Assistant (not under 23), with experience of good-class trade, including Photography, and a competent Dispenser. Enclose photo, with full details of experience and salary required, Whitfield & Son, Pharmaceutical Chemists, Scarborough.

TUNBRIDGE WELLS.—Qualified Assistant for high-class Dispensing business; indoor; two kept. State age, height, and salary required, to Howard & Son, Pharmacists, Tunbridge Wells.

ASSISTANT.—Required, a female Assistant, with Apothecary's Hall certificate; one who has just qualified preferred. Apply, stating salary required, to "D. A." (221/9), Office of this Paper.

DISPENSER wanted for evenings only; 6 till 10; near Hammer-smith Broadway. State full particulars and salary required. Apply, 270/2, Office of this Paper.

IMPROVER or Junior wanted, at once, in good-class business. Apply, with full particulars, references, stating salary (outdoors), to W. Cariss, Pharmacist, The Linthorpe Pharmacy, Linthorpe, Middlesbrough.

JUNIOR Assistants (20 to 23) required, at once; short hours. Apply, Mr. Longstaff, John Barnes & Co., Ltd., 191 to 217 Finchley Road, N.W., opposite Finchley Road Metropolitan Station.

LEWIS & BURROWS have a vacancy for a good unqualified Assistant; must be used to a high-class trade. If application is made by letter, kindly enclose full particulars and photograph to 146 Holborn Bars, E.C.

MANAGER (qualified) required; good salary and prospects; must possess exemplary character for honesty and sobriety. Timothy White Co., Ltd., Portsmouth.

MANAGER.—Competent Manager for Lancashire Manufacturing town; knowledge of Optics essential; one with view to succession preferred. Apply, F. J. Parker, Pharmacist, Huyton, Liverpool.

QUALIFIED Assistant, not over 34, able to Manage small Branch; rather long hours. Please give full particulars and salary required to F. G. Turner, 67 Fernhead Road, W.

QUALIFIED Dispenser wanted, immediately; outdoors. Apply, personally, Dr. Andrews, 16 Heath Drive, Hampstead.

QUALIFIED Assistant; outdoors; one accustomed to the Mixed country business; send photo; used to Photography. Apply, full particulars, to T. M. Holmes, Royal Square Pharmacy, Bowness-on-Windermere.

UNQUALIFIED Junior, 23 or 24, for high-class West-end Dispensing business; must have had good experience; outdoors, but sleep on premises. Apply, stating full particulars, salary, etc., to "H." (276/13), Office of this Paper.

UNQUALIFIED Assistant; middle-aged and seeking permanency; must be strictly honest, sober, well recommended, and had all-round experience; good Counterman and window-dresser; Welsh an advantage, but not absolutely necessary. Give fullest particulars in first letter (those not answered in three days declined), T. Thomas, Chemist, Treharis.

W. CHAS. SAYERS, 63 High Street, Lewisham, S.E., requires a smart Junior Assistant; Dispensing, Photography; outdoors; permanency. Please send full particulars with application.

WANTED, at once, smart young qualified man; good knowledge of Optics essential, to manage Branch in East London; married preferred; good and progressive salary; steady, smart man; Store trade; only those with undeniable references need apply. Apply, 275/15, Office of this Paper.

WANTED, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience if Dispensing and Photography, names of two last employers, and time with each. 271/14, Office of this Paper.

WANTED, Manager for up-to-date business, to live on premises; salary and commission; excellent opportunity for good business man. Apply, enclosing photograph and full particulars, to "X. Z." (270/13), Office of this Paper.

CENTRAL LONDON SCHOOL DISTRICT.

WANTED, immediately, at the District School at Hanwell, Attendant for Dispensary (with other duties).

Commencing salary 30s. per week. Must be fairly educated, a good Penman, and have had experience in Compounding Medicines. Form of application and list of duties, etc., may be obtained by forwarding me a stamped addressed foolscap envelope.

The form, duly filled up, must be returned to me not later than **TUESDAY**, the 9th November next.

By order.

GEORGE P. MORRELL,

Clerk to the Managers.

Central London District School, Hanwell, W.
October 26th, 1909.

WANTED, for a small hospital near London, a Dispenser; salary £75 per annum, with luncheon and tea. Apply, by letter only, stating age, qualifications, and past experience, to "N." c/o Street's, 30 Cornhill, E.C.

WANTED, an elderly qualified man for a small business; a very easy situation; must have good references. State salary required (outdoors), 276/21, Office of this Paper.

WHOLESALE.

LONDON Wholesale Manufacturing Drug House requires Junior Counter Hand for the Wet Floor. Apply, stating previous experience and salary expected, to "Tincture," c/o Street & Co., 30 Cornhill, E.C.

NORTH OF ENGLAND.—Wanted, by an old-established Drug-house (to succeed a traveller who is retiring after many years) a Representative, to reside in the district. Apply, with photograph, stating experience, salary, age, etc., to "Quinine," c/o T. B. Browne, Ltd., 163 Queen Victoria Street, London, E.C.

SOUTH WESTERN COUNTIES and South Midlands.—Wanted, for January, experienced Commission Agent calling upon Hairdressers, etc., for sale of Toilet Articles and Hairdressing-saloon Preparations; must be good salesman and have knowledge of the trade; the goods are already known, and command a ready sale from a varied range of samples. Please give full particulars as to experience, connection, age, etc., 270/7, Office of this Paper.

CLERK.—Invoice Clerk required for the town and country desk of a London Wholesale Manufacturing Drug-house. Only those with a knowledge of the trade need apply, stating salary required and previous experience, to C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C.

FIRST-CLASS Perfumer required for an English Manufacturing Perfumery business; terms liberal; employment immediate. Apply, "Hauteville" (211/27), Office of this Paper.

GIRLS wanted to Capsule, Label, and Wrap; must have had experience in Drug-trade. Apply to Forewoman, 58/59 Bunhill Row.

REPRESENTATIVES wanted, London and provinces, calling on Wholesale Druggists, Confectioners, Mineral-water Manufacturers, etc., to sell Essential Oils and Concrete Essences; suitable terms to right men. Apply, 215/25, Office of this Paper.

WANTED, brilliant young Pharmacist, smart in appearance and well educated generally, easy and attractive conversationalist, self-confident, possessed of energy and determination, and thoroughly conversant with the requirements of the medical profession; the position is both important and permanent, and offers unusual opportunities. Applications (handwritten), Philip Harris & Co., Ltd., Wholesale and Retail Pharmacists and Surgical-instrument Makers, Birmingham.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

SITUATION wanted, at once, in a first-class firm in Switzerland or Upper Italy by an English Colonial bearing a London certificate as Chemist and Druggist; permanent situation all year round; best references; knowledge of Italian and French languages. Apply, "Oxo" (267/22), Office of this Paper.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.] RETAIL.

SENIOR Assistant or Manager; good Window-dresser, Dispenser, Counterman, Photographic; modern Store methods; good references; 6 years last two berths (London); 32; tall; permanency only; disengaged; unqualified. Hodgkiss, 168 Heathfield Road, Handsworth, Birmingham.

UNQUALIFIED; 36; height 5 ft. 5 in.; Extractor. Foster, c/o Sellers, Kirton, Boston.

PART-TIME; evenings; 26; Retail or Dispensing. "Qualified," 45 Sprules Road, Brockley, S.E.

JUNIOR; 21; 5 years' experience; disengaged. Apply, Edwards, 47 Larches Lane, Wolverhampton.

JUNIOR; 23; good Dispenser and Counterman, also Photography. "Vanilline," 38 Camberwell Road, S.E.

JUNIOR; 21; good General experience; disengaged December 6. Marsden, Devonshire Buildings, Runcorn.

ASSISTANT; outdoors; unqualified; disengaged; experienced. "Drugs," 37 Kenton Road, Hackney, N.E.

UNQUALIFIED; good Dispenser and Counterman; Photography; part or whole time in Brighton. 8 Old Steine, Brighton.

JUNIOR; age 22; height 6 ft.; good Dispensing and Retail experience; excellent reference. Blott, Norfolk Street, Lynn.

DISENGAGED; good references; 10 years' unqualified Manager; any capacity. "Extractor," 42 Parkhurst Road, Manor Park.

DISPENSER; good experience; excellent references; full or part time; London preferred. 3 Addington Crescent, York Road, Lambeth.

JUNIOR; 20; 5 ft. 9 in.; 5 years' experience in good-class Retail; North preferred. Full particulars, Wiles, 12 Nemours Road, Acton, W.

AS Junior; height 5 ft. 11 in.; Dispensing, Photographic, Counter; experienced. "Rhei," 32 Nursery Street, Birkby, Huddersfield.

PERMANENCY required by qualified gentleman; 23; Retail or Wholesale; excellent references. Ogle, 39 Beauwell Grove, Newcastle-on-Tyne.

JUNIOR; 21; first-class Dispensing experience; disengaged November 30; Manchester preferred. Griffiths, Gladstone House, Ramsey, I.O.M.

QUALIFIED; tall; 25; 11 years' experience, last Manchester; competent Prescriber and Agricultural; at liberty. Bennett, 3 Westgate, Wakefield.

QUALIFIED (25) desires permanency; outdoors; good experience; Dispensing, Photography; abstainer; disengaged. P. Wesley, 4 South Parade, Penzance.

JUNIOR; 22; unqualified; disengaged. Lloyd, 125 Sumatra Road, West Hampstead, N.W.

EVENINGS and Sundays; qualified. "S.," 4 Downton Avenue, Streatham Hill, S.W.

QUALIFIED; 30; good-class experience and references. "Statim," 11 Wcaste Road, Wcaste, Manchester.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

MANAGER, Locum, or Senior; outdoors; disengaged; qualified. "Codex," 32 Redburn Street, Chelsea, S.W.

BRANCH Manager; 36; tall; just disengaged; married; permanency. "Chemist," c/o Kendall, Myton-on-Swale, York.

JUNIOR; 22; tall; time for study; outdoors preferred. G. Almeroth, Egremont House, Heigham Road, East Ham, Essex.

QUALIFIED Senior or Manager; 4½ years present situation; Photography; 28; disengaged October 31. "Salol," 5 Queen's Parade, Cheltenham.

ASSISTANT; married; 26; good Dispensing experience; highest references; unqualified; no Stores. "Barium," c/o Post Office, Hook Norton, Banbury.

MANCHESTER or District.—Part or whole time; thoroughly experienced; excellent references; unqualified; 25. Brown, 6 Stamford Road, Altrincham.

FRENCHMAN; Assistant; 20; tall; excellent references; 5 years' experience with Chemist, Paris; little knowledge of English. A. Courreuil, 113 Gower Street, London.

JUNIOR or Improver; 20; 4 years' experience; knowledge of Dentistry and Photography; Extractor; South Coast preferred. "G.," 13 Drummond Road, Portsmouth.

MANAGER or Assistant; 25; qualified; 6 ft.; London and provincial experience; Photography; disengaged; West of England preferred. Clarke, 47 Polsloe Road, Exeter.

QUALIFIED Manager or Assistant; Dispensing, Prescribing, Photo and Store experience; 28; abstainer. "Pharmacist," The West City Pharmacy, Harborne, Birmingham.

SURGEON'S Dispenser (certified); Locum or permanent; experienced, steady, reliable; excellent testimonials. Address by letter, "Stethoscope," 320 Kentish Town Road, N.W.

DISPENSER, experienced, desires permanency with doctor; highest references; Dresser and Minor Surgical work; moderate salary (outdoors). "A. W.," 52 Collins Road, Southsea.

JUNIOR; 21; 5 years' experience, Photography, window-dressing; energetic, trustworthy; excellent reference. Further particulars on application to A. Clapham, Trafalgar Square, Barking.

JUNIOR Assistant; 20; 4 years' sound experience in good-class Pharmacy; Photography, Extractor; tall; good references; London preferred. "Veronal," 41 Havelock Road, Hastings.

NOTTINGHAM (or near).—Assistant; unqualified; good all-round experience; liberty November 8; satisfactory references; temporary or permanent. "T.," 91 Goldsmith Street, Nottingham.

SITUATIONS WANTED *(continued).*

UNQUALIFIED; 24; 8 years' quick cash trade. "Manchester," 19 Bank Street, Darwen.

QUALIFIED; Locum or permanency; 23; Photography. Harris, 17 Hornby Terrace, Morecambe.

RELIABLE Junior; 7 years' all-round experience; disengaged. "Elixir," 95 Waterloo Road, Aldershot.

QUALIFIED; outdoors; London; good references; disengaged 30th. Corney, 26 Thornby Road, Clapton.

QUALIFIED Manager; middle-aged; Store experience; abstainer; disengaged. "J. B.," 10 Raby Street, Darlington.

EXPERIENCED Locum; disengaged; town or country; highest references. Chemist, 33 Seaford Road, West Ealing.

QUALIFIED; 23; outdoors; Counter, Dispensing, Photography; short hours; moderate salary. 268/28, Office of this Paper.

DENTAL Operator, expert in all branches, wishes to make some arrangement with a Chemist. 269/8, Office of this Paper.

DAY Locum; honest, competent, reliable; highest references; one or two days a week. Hardwick, 165 Brecknock Road, N.

JUNIOR, 4 years' experience, seeks situation; disengaged November 15. W. Weatherhead, 39 Irene Road, Parsons Green, London.

DISENGAGED; 38; unqualified; London experience, Branch and Assistant; work any department. Fletcher, Black Horse Yard, Whitby.

ASSISTANT; 36; capable, energetic; London and provincial experience; unqualified. "Aspirin," c/o J. Gibbs, Sourhall, Todmorden, Lancs.

JUNIOR; 22; 5½ years' experience, Photo, Counter, Windows, etc.; unqualified; disengaged October 30; good reference. "Rex," 22 Morrill Street, Hull.

QUALIFIED; elderly; Dispensing and Retail, or Institution; temporary or otherwise; outdoors. Address, "A. 140," "Guardian" Office, Manchester.

ASSISTANT; unqualified; outdoors; South Coast preferred; moderate salary; experienced. "A. M.," King's Library, King's Road, St. Leonards-on-Sea.

HALL qualification; age 46; abstainer; disengaged; energetic; single; good appearance; Extract; outdoors preferred. "Statim," 164 Powis Street, Woolwich.

JUNIOR (21), 6 ft., over 3½ years' first-class experience, Dispensing and Retail, desires further engagement in first-class Pharmacy. "Phenol," 35 Ulysses Road, N.W.

UNQUALIFIED; middle-aged; outdoors; varied experience; tall; competent; good Dispenser and Prescriber; Assistant or Locum. "Radix," 37 Charteris Road, Tollington Park, London, N.

MARRIED; 26; Assistant or Manager; excellent credentials; sound in ability and tact; Prescribing, Dispensing, Retail, Photographic; unqualified. "H. B.," Sunnyside, Holt, Wilts.

ASSISTANT; 22; 6½ years' good Dispensing experience; Photography and Retail; abstainer; tall; Midlands or North preferred; outdoors; disengaged. H. Shaw, 13 Kingsway, Goole.

MANAGER; qualified; 30; tall; married; first-class London, provincial experience; Photography, Surgical Instruments. "Celor," 103 St. Stephen's Avenue, Shepherd's Bush, London, W.

DISPENSER, Hall certificate, desires appointment, Chemist, Doctor, or Institution; good Retail and Hospital experience; excellent testimonials. Miss Taylor, 48 Crayford Road, Holloway, N.

RELIABLE and trustworthy Assistant (Junior), accustomed to all branches of business; outdoors; best of references; disengaged; Midland Counties preferred. Twidale, Westhorpe, Southwell.

ADVERTISER (37), abstainer, liberty, desires re-engagement; excellent Counterman, Salesman, Extractor, Photography, Optics; highly recommended by last employers. "Clarke," 220 Elm Grove, Brighton.

QUALIFIED; abstainer; 26; educated; thoroughly experienced; high-class Dispensing and Counter; excellent references; Photography; outdoors preferred. Hollows, 70 Eastbourne Road, Birkdale, Southport.

QUALIFIED; 28; London and provincial experience. Wood, 56 Walliker Street, Hull.

MORNING and evening engagement; qualified; state terms. Florys, 161 Fulham Road, S.W.

DISENGAGED; qualified; outdoors; town or country. "Chemist," 47 St. Mary's Terrace, Hastings.

JUNIOR; 6 years' good experience; Counter, Dispensing, Photography. Matthews, 5 Fore Street, Totnes.

QUALIFIED; 31; Manager or Senior preferred; disengaged; excellent references. Manning, Fairford, Glos.

DISPENSER, Bookkeeper, or Assistant; excellent references; experienced; abstainer. 272/32, Office of this Paper.

QUALIFIED; disengaged; 30; Manchester or Liverpool preferred; references, etc. "Rhei," 57 St. Albans Street, Rochdale.

EXPERIENCED Assistant; unqualified; 27; tall; disengaged; permanency. Haigh, Holme Leigh, Meltham, Huddersfield.

DISPENSER; 22; quick; accurate; excellent experience; satisfactory references; Bookkeeping. 271/12, Office of this Paper.

ASSISTANT; unqualified; 23; tall; abstainer; in or out doors; disengaged; good references. "Betol" (271/17), Office of this Paper.

YORKSHIRE.—Manager or Senior; qualified; Prescriber; capable entire charge; Leeds district preferred. 271/23, Office of this Paper.

UNQUALIFIED; aged 30; single; first-class Dispensing experience; Photographer; sound references; disengaged. 271/39, Office of this Paper.

UNQUALIFIED; 23; 8½ years' first-class Dispensing, Counter, and Photographic experience; disengaged. T. G. Hughes, Caxton House, Ebenezer, Carnarvonshire.

YOUNG lady (22), unqualified, desires post with Doctor or Institution; knowledge of Bookkeeping; 4½ years' experience with Chemist. 272/26, Office of this Paper.

BRANCH manager or Assistant; 30; qualified; good all-round experience; Prescribing, Photography. Osborne, c/o Robbins, 79 William Street, Long Eaton, Notts.

MANAGER; young gentleman wishes position as Manager with view early purchase of good-class business; West country or Coast preferred. 272/6, Office of this Paper.

PHARMACIST requiring smart Dispensing Assistant and Counterman; West-end experience. Particulars and photo from "Brighton" (272/9), Office of this Paper.

DISPENSER to Surgeon or Institute; advertiser (25) served apprenticeship with Chemist; 9 years' experience; reliable; excellent references. 272/10, Office of this Paper.

DISPENSER, Hall certificate, desires appointment, Chemist, Doctor, or Institute; 10 years' experience; excellent testimonials. "Cymro" (272/12), Office of this Paper.

MANAGER or Assistant; qualified; 26; first-class experience; Dispensing, Photography; view to early purchase preferred; country or seaside town. 271/15, Office of this Paper.

ASSISTANT; unqualified; tall; 9 years' good-class Counter and Dispensing experience; thorough knowledge Photo-trade; in or near Birmingham or London preferred. 272/7, Office of this Paper.

THOROUGHLY competent, experienced Assistant or Manager; unqualified; Prescriber; excellent references; trustworthy and reliable; 31; abstainer; tall; moderate salary. 272/302, Office of this Paper.

PERMANENCY required by advertiser; unqualified; 26; married; undeniable references; sound experience; knowledge Photography; Assistant or manage Branch. "Disengaged" (271/21), Office of this Paper.

MANAGER; aged 39; 5 ft. 9½ in.; qualified both by examination and lifelong experience in good-class Family, Dispensing, Agricultural, and Photographic trade; married; abstainer; permanency; no London; just sold business after 14 years; references to leading Wholesale houses; not afraid of work; disengaged; personal interview preferred; reasonable salary for good work and reliability. Please state salary and hours to "Yorkshire" (273/6), Office of this Paper.

PART-TIME; evenings; disengaged. Cavendish, 129 Shirland Road, Maida Vale.

UNQUALIFIED; good all-round man. Singleton, 155 Framfield Road, Hanwell, W.

QUALIFIED; 21; tall; outdoors preferred; all-round experience. Teare, White Road, Sutton Coldfield.

UNQUALIFIED; tall; 12 years' experience; disengaged. Stevens, 49 Sterndale Road, West Kensington.

MANAGER or Senior; best-class experience; now disengaged. "Pharmacist," 107 Bushy Hill Road, S.E.

ASSISTANT; unqualified; tall; long experience; outdoors preferred. "Statim," 38 Grove Road, Windsor.

DISENGAGED; 8 years in first-class firm; unqualified. "W.," 18 Old Hall Drive, Gorton, near Manchester.

QUALIFIED; 26; good experience; North of England preferred. Beaumont, Skelbrooke, Cleadon, Sunderland.

DISENGAGED; Assistant or develop business; 34; unqualified. "Worker," 54 Darnell Street, Newcastle-on-Tyne.

MANAGER; 35; qualified; resident; permanency; Loudon or near preferred. "Chemist," 10 Shrewsbury Road, Bayswater.

UNQUALIFIED; 25; disengaged; good Counterman, Dispenser, Window-dresser. "Opus," 20 Aviary Row, Armley, Leeds.

JUNIOR; 21; height 5 ft. 9 in.; Photography; disengaged; outdoors preferred. "G.," 371 Hither Green Lane, Lewisham, S.E.

MANAGER; qualified; experienced; reliable; London preferred. "Aspirin," Barron Harvey & Co., Graham Street, City Road, N.

MANAGER or Senior; qualified; 27; outdoors; London and provincial experience; Photography. B. King, Bromham, Chippenham.

UNQUALIFIED; thoroughly competent; trustworthy; sound references; disengaged. "Photographer," 30 Bower Street, Bedford.

MANAGER, qualified, married, good Counterman, middle-aged, to live on premises; excellent references. "Reliable" (275/19), Office of this Paper.

MANAGER; aged 40; married; Minor; good experience in all branches, including Photography; permanency. "W.," Hutton Lodge, Glaisdale, Yorks.

ASSISTANT desires position of trust; earnest worker and abstainer; 10 years in present sit. amongst Wets, etc. "H. G. H.," 18 Twisden Road, Highgate Road, N.

BRANCH Manager or Assistant; qualified; 30; excellent all-round experience, London and provincial; good references. "Pharmacist," 58 Chetwynd Road, Dartmouth Park, London, N.

EXPERIENCED Major man requires situation as Manager; excellent references; married; abstainer; Liverpool or Lancashire preferred. "Apex," c/o Evans Lescher & Webb, Liverpool.

MANAGER; qualified; 29; all-round home and Continental experience; excellent Counterman and Prescriber; highest references; smart, reliable; disengaged. 274/9, Office of this Paper.

COMPETENT, reliable man; 35; exceptional modern experience; unqualified; develop or manage business; excellent references; outdoors preferred. "Statim," 43 Charles Street, Milford Haven.

ASSISTANT or Manager; 35; unqualified; married; experienced; Prescriber, Extraotor, also Store and Agriculture business; excellent references; disengaged. "Reliable," 13 Perry Road, Bristol.

WANTED, situation in country or small town (Midlands preferred) by foreign Chemist; London experience; good worker; little remuneration required. "Casino," 47 Dean Street, Soho, London, W.

AT liberty; Assistant; 29; single; best London experience; smart Dispenser; good Counterman and Window-dresser; Photography; excellent references. Nicholson, 63 Stephen's Road, Tunbridge Wells.

EVENINGS after 5; expert Dispenser, good Counterman; long varied experience in evening part-time work; highest references; qualified; reliable. "Euclid," 26 Wontner Road, Upper Tooting Park, S.W.

QUALIFIED Manager of proved ability to gain and hold a high-class clientèle; tactful and energetic at the counter and a skilled Dispenser; resigning present appointment, held over 7 years, on November 20; highest references; married. Rae, 2 Montpellier Exchange, Cheltenham.

LADY Pharmacist disengaged mornings. Apply, 273/17, Office of this Paper.

QUALIFIED; 26; tall; capable; reliable; Assistant or Manager. 16 Stockwell Road, S.W.

EVENING work wanted from 7.30, Saturdays earlier. "Statim," 44 Bedford Street, Strand.

LOCUM or Manager; qualified; recent references. Padwick, 52 Revelstoke Road, Southfields, S.W.

QUALIFIED Assistant seeks engagement; good experience; first-class references. 273/35, Office of this Paper.

30/-; Assistant or Branch Manager; unqualified; outdoors. "Competent," 155 Offord Road, Barnsbury, N.

MANAGER or Senior, with view to succession preferred; 34; qualified; single. Apply, 275/37, Office of this Paper.

MANAGER; experienced; increase Branch; succession; easy terms. Address, "Reliable," 62 Saltoun Road, Brixton.

UNQUALIFIED; 24; Dispenser, Counterman; Photographic; Manchester or district. Apply, "Abstainer" (274/11), Office of this Paper.

LOCUM; disengaged; 33; highest references; qualified; London or country; moderate. "Pharmacist," c/o Ferris & Co., Ltd., Bristol.

KEATS; disengaged November 18; qualified; Branch Manager or Assistant; outdoors; experienced. 11 Waddon Road, Croydon.

QUALIFIED; 25; disengaged; good experience; best references; as Branch Manager or Assistant. Apply, "M.P.S." (273/11), Office of this Paper.

EXPERIENCED Assistant; good Dispenser, Window-dresser, Counterman, Photography; last engagement nearly 6 years. "H.," 20 Acton Lane, Harlesden, N.W.

DISENGAGED; energetic Assistant; unqualified. age 39; married; Prescriber and Extraotor; Branch experience. Albert, 8 Idlescombe Road, Tooting Junction, S.W.

WHOLESALE.

WET Counter.—Young man requires situation; 9 years' experience. "H. D.," 205 Stanhope Street, N.W.

TRAVELLER working Midlands wishes to Represent a Drug-house on commission. 273/40, Office of this Paper.

TRAVELLER calling regularly on London Chemists is open to take up Agencies; expenses and commission. 275/23, Office of this Paper.

TRAVELLER (40), Chemist, has exceptional opportunity of opening new firm in Lancashire, etc., for good-class Drug or Sundries' House. 272/34, Office of this Paper.

DANISH qualified Chemist wishes employment in Wholesale house to complete learning English; age 23. Apply, West Carbery Copper Estates, Ltd., 10 Bush Laue, E.C.

REPRESENTATIVE with established connection on the South of England ground seeks one or two houses to Represent on commission only. Apply, 273/14, Office of this Paper.

TRAVELLER or Agent (experienced), Drugs, Chemicals, Essences, and Allied Trades, open to appointment. Address, "M.," 2 Orchard Terrace, George Lane, South Woodford, Essex.

GERMAN; 26; good experience in Druggist's Laboratory, book-keeping, and correspondence; French and English; disengaged; salary moderate. Born, 5 Denmark Road, West Ealing, London.

ADVERTISER (20) desires permanency in Wholesale Warehouse; 6 years' Retail experience; good knowledge of Drugs and Sundries; energetic and reliable. A. White, 2 Lisson Cottages, Lisson Grove, N.W.

TRAVELLER, with large old-established connection on South Coast, wants good extra commission to work with present one on terms commission and part expenses. Apply, 269/39, Office of this Paper.

REPRESENTATIVE.—Gentleman who has good connection amongst Medical men and Chemists wishes to Represent Wholesale house or Proprietaries; good appearance and references. "Energy" (273/28), Office of this Paper.

SMART young man (32), married, possessing sound business acumen, Chemical and Pharmaceutical experience, knowledge of Science Apparatus, earnestly requests berth; late with "Edwards Harlene." Bennett, 10 Salisbury Road, Harringay, London, N.

POSITION as Laboratory Manager or Works Chemist with view to ultimate interest in business; accustomed to control Workers and check Raw and Manufactured goods; practical knowledge of Steam-pan and Mill-room work. "Veritas" (274/7), Office of this Paper.

AS Representative or Showroom Manager, etc., part or whole time, undertaken by advertiser, who has had valuable experience in all branches of the trade; small salary or travelling expenses and commission; has large influence; excellent references in every respect. Address, "Success" (270/12), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone: 814 Lee Green.

SHARES FOR SALE (free of commission, subject).—100 Allen & Hanbury "B" Preference, 23s. 7½d.; 100 Idris "A" Preference, 5s. 3d.; 100 Iford Ordinary, 16s.; 100 Mazawattee Ordinary, 5s. 6d.; 100 Wright, Layman & Umney 6 per cent. Preference, 21s. 3d.; 100 Sanitas, 22s. 6d.

WANTED (subject).—Camwal Preference, 4s. 3d.; 20 Evans Lescher Preference, 45 1s. 6d. x.d.; 100 Lewis & Burrows Preference, 11s. c.d.; Meggeson Ordinary.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

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WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. **RUDDUCK & CO.**, 262 OLD STREET, E.C.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.

CHEMISTS' FITTINGS.—SECOND-HAND, high-class bargains to clear.—14-ft. Drug-fitting, fitted 60 Drawers, with glass Labels, Glass Knobs, Bottle Lockers, Mirror Poison-cupboard, Bottle-shelves, and Cornice; 6-ft. complete Mahogany Dispensing-screen and Counter, including Sponge-case; 8-ft. Wall-case, bottom and top part, Mirror Recess; 10-ft. glass-fronted Serving-counter, Perfumery-case, and Desk, mahogany and bent plate-glass Counter-case; the lot £49 10s.; estimates free. **H. Mills, Chemists' Complete Shop-fitter and Shop-front Builder**, Steam Works, 163 and 165 Old Street, E.C.

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A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from **THE CHEMIST AND DRUGGIST** (Book Department), 42 Cannon Street, London, E.C., for **THREE PENNY STAMPS PER COPY, POST FREE**.



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Princes Chambers, WOLVERHAMPTON

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TO Trustees, Executors, Liquidators, and others.—Immediate cash to any amount for all descriptions of Chemists' Stocks, Fittings, Fixtures, Wholesalers' Oddments, and Druggists' Sundries; best prices given; cash advanced for any solvent business which can show a good turnover. Apply, in confidence, to **J. H. Hemmings**, 2 Scylla Road, Peckham Rye, S.E.

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CHEMICAL Manufacturers, with waterside works and City offices, can undertake the Manufacture or Sale of all classes of Chemicals, etc., along with their present specialised business. "Box 2," c/o Chas. Tayler & Co.'s Advertisement Offices, 30 Fleet Street, E.C.

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1/3

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Half Term commences on Nov. 15th
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BALANCE, Sartorius, to carry 200 grams, sensitive to 1/10 mg.; phosphor-bronze beam, 14 cm. circular movement for arrest of beam; agate knife-edges and plano-graduated beam rider apparatus; platinum plated pans; black plate-glass base; cost new £12 10s., price £5. BAINBRIDGE & FINLAYSON, Stockton.

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SET Wills's books; own MS. notes; good condition. 16 Stockwell Road, S.W.

REMINGTON'S "Pharmacy," 4th edition, practically new; offers. Apply, 268/30, Office of this Paper.

INTERESTING reading; "Pharmaceutical Journals" and "Chemist and Druggist" from 1882; 9d. per year; waste-paper price; what offer the lot? WEST, 76 Walton Road, Liverpool.

" DENTAL.

MAHOGANY case, containing 1 doz. nickel-plated tooth-foreeps, gum-lancet, elevators, tooth-keys, etc., by well-known London maker; perfect condition; 35s. JAMES, 13 Parkhouse Street, Camberwell, S.E.

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CASH or exchange; 1 oz. cocaine hydrochlor., 7s.; 10 lb. chlorodyne, B.P. 1885, 20s. PRATT, Pharmacist, Cleckheaton.

4 LBS. gum benzoin, 10 lbs. powdered malt extract, 45 Southall's Minor Materia specimens (mounted 20 by 12), 2½ lbs. ext. belladon. vir., 80 gross Richardson's pil. Blaud, 24 "W" pint poison shoprounds (labelled), 1 gross assorted homeopathies; what offers or exchange? HUGHES, 53 Penn Road, Holloway.

FORMULÆ.

BOOT-POLISH formula for sale. FRANCE, 42 Vartry Road, London, N.

RINGWORM ointment, scour powders, foot-rot ointment, colic drink (special flatulent and spasmodic), husk, loose cure, splint, curb cure; 20 years' success; 2s. each, 6, 7s. 6d. MORGAN, Pharmacist, Bournebrook.

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PROPRIETARY ARTICLES.

FOR disposal, 1 gross or any smaller quantity ls. Ozonia; what offer, carriage paid? 267/26, Office of this Paper.

SHARES.

SHARES for Sale. See p. 80.

SHOP FITTINGS.

50 FEET of plate-glass window shelves and mirrors; good condition. CROUCH, Moorgate Street Station.

LAMP for sale, cheap, base 14 in. square, height 2 ft. 10 in., length of arm 2 ft. 6 in.; glazed, but no name on it; suit Chemist or Doctor. To view, apply C. DEAVIN, 171 Rotherhithe New Road, S.E.

MAHOGANY dispensing-screen, 6 ft., mirror centre, £3; mahogany upright case, mirror back, 3 glass shelves, dust proof, £2; mahogany upright case, 2 ft. by 20 in., mirror back, glass shelves, by Tuelle & Co., £2. F. W. SMITH, 3 Belgrave Street, Leeds.

FOR disposal, inside glass sign, "Dispensing Department," handsomely coloured, perfect condition, 8 ft. 9 in. by 16 in.; also three glass shelves, standards, brackets, etc., as Maw's fig. 2787; also mirror, black frame, 5 ft. 8 in. by 22 in. Offers to MALLINSON, Chemist, Withington, Manchester.

O'BRIEN'S cheek till, 30s.; revolving toothbrush-case, slightly cracked, 10s.; 5-grain pill-machine, 15s.; 2 oblong-framed mirrors, 44 by 12 in.; 2 ditto, 35 by 12; 6 window carboys, 1 to 8 gals.; several dozen shop-rounds and ointment-jars; wall shelving and drawers in mahogany; wall-case and window enclosure. Offers, HUBBLE, Workington.

MISCELLANEOUS.

10 ACID carboys for sale; used once only; 2s. 6d. each, F.O.R. HAGON, Chemist, Cardiff.

FOUR 8-gal. pear-shape carboys, cut stoppers, stands, and iron rails; £1 the lot. "CHEMIST," 260 Luton Road, Chatham.

WATER-BED, 6 ft. by 2 ft. 6; new from Maw's a short time since; first reasonable offer taken. DAVIES, Chemist, Thornton Heath.

WANTED.

DENTISTRY, "Harris." McCARTHY, Calder Street, Blackburn.

A MODERN dental chair; cheap. "NEMO" (268/31), Office of this Paper.

B.P. Codex, "Pharmaceutical Formulas." Price to 272/30, Office of this Paper.

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are mailed every week to hundreds of inquirers, and delivered to them on Friday by the same post as "The Chemist and Druggist." They are thus enabled to reply very promptly to any advertisement which suits their needs. All that is necessary to secure the Supplement in this manner is to send a supply of stamped and addressed wrappers or envelopes to **The Publisher** of "The Chemist and Druggist," 42 Cannon Street, London, E.C., when a Supplement will be mailed every week for delivery in any part of the country, as stated above. Inquirers thus save the trouble of weekly application, and are sure of getting what they want, because "The Chemist and Druggist" Supplement is not only the approved medium for advertisements of this character, but has the largest circulation and gives the best results.

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This Week's "C. & D."

The following paragraphs deal only with part of the contents of the issue. Every week the first page contains such a summary as this which the busy man can read first thing taking the number as a whole at his leisure.

Articles and Communications.

The trade of India is the subject of an article on p. 678, in which details are given of exports and imports.

We are able to give full particulars about what the International Opium Commission's report says about morphine (p. 677).

Dr. Dobbin communicates the results of the last Corner for Students' Competition. The prizes go to Mr. R. C. Crawford (Newcastle) and Mr. W. H. Lightbown (Tynemouth) (p. 662).

Our correspondence is interesting, letters dealing with topical subjects, including suggestions to have the retail prices of methylated spirit protected, to raise the prices of most-cut "patents," and for retail chemists to be more enterprising (p. 693).

In a note on chemists' assistants' hours we show exactly how Mr. Gladstone's Shops Bill would affect them, by securing on one hand a sixty hours' week (as a rule) and enabling them to serve medicines after closing hours without conviction of employers (p. 679).

In regard to Section 2 licences, we print numerous letters from chemists criticising the Pharmaceutical Council's inactivity (p. 692). "Xrayser" rather defends the Council's waiting attitude, thinking that there must be sound reasons for not supporting Mr. Lord Gifford (p. 675).

Our first editorial is on the decision of the Divisional Court of King's Bench to the effect that it was wrong for the St. Helens County Court Judge to convict an unqualified person for describing his shop as a "Pharmacy." The Pharmaceutical Society is to appeal against the decision, but as the principle followed has been quite recently laid down by the Court of Appeal, there seems little chance of success (p. 676).

News of All Kinds.

The Mendeléeff lecture by Dr. W. A. Tilden is reported on p. 680.

Mr. Joseph Beecham has joined the directorate of A. & F. Pears, Ltd. (p. 675).

The new German regulations for the use of alcohol in industries are epitomised on p. 667.

Formulas for colours and flavours by Mr. W. Gartside (Oldham) are given on p. 685.

The Association attitude that Mr. Granville Shaw and our poet depict this week is the genial mood (p. 684).

Military Pharmacists was the chief subject discussed by Thames Valley chemists on Wednesday evening (p. 685).

The Pharmaceutical Council is thinking of revising the Poison Schedule. Uttoxeter chemists register sales of lump diachylon (p. 687).

An amendment to the Finance Bill has been placed on the papers providing for the exemption from motor-spirit licence of retailers of benzine (p. 674).

The "Perfection" soap mark has been before the Court of Appeal this week, Messrs. Crosfield appealing against Mr. Justice Swinfen-Eady's judgment (p. 670).

The White Cross Congress for the suppression of adulteration of foods and drugs, which was held in Paris last week, has been successful. We complete our report (p. 681) and discuss the effects of the resolutions come to (p. 677).

Two companies have been formed to supply chemists with specialties—"Ucal," which is promoted by retailers, and "Cupal," which is to take over the business of Woolley's, Ltd., Blackburn. Particulars are given on p. 672.

Mr. Glyn-Jones's candidature for Parliament finds the trade in a curiously mixed attitude as to supporting him. See the Winter Session reports (pp. 684-7). Mr. Burroughs, President of the P.A.T.A., has appealed for support to him (p. 644).

Trade Matters.

There is a steady undercurrent of business, but the high Bank rate checks any speculative movement. Opium has scored another advance, and the alkaloids are much dearer. Glycerin is 5s. dearer. French lavender oil, lead salts, and menthol are firmer. On the easier side are bergamot oil, cream of tartar, shellac, and ammonia sulphate (p. 689).

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

CHESTER.—Geo. H. Platt, seedsman, Bank Buildings, Eastgate.

TARBERT, HARRIS.—Mr. D. M. Morrison, merchant.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

Consideration of Applications.

The Croydon County Council, on October 25, granted a licence to Mr. George Dennis Yates, seedsman, 38 South End, Croydon.

WARE.—The Hertfordshire County Council having received no notice of opposition to an application from Mr. James Chapman, High Street, Ware, the licence is to be granted.

SOUTHEND-ON-SEA.—At a meeting of the Town Council on October 20, the Health Committee reported that they had again had the matter of certain applications before them, and further consideration was adjourned.

The General Purposes Committee of the Middlesex County Council reported on October 28 that applications had been received for licences from E. W. Molden, florist, Wood Green; T. Trusler, seedsman, Enfield; H. E. Fordham, St. Margaret's, Twickenham; and F. Fromow, nurserymen, Chiswick. The application of T. Trusler was opposed by Mr. F. Goldby (Parke's Drug Stores), Mr. J. R. Smithyman, Mr. E. B. Morgan, and Mr. W. G. Pierce, chemists, who are prepared to meet any demands for agri-horticultural poisons. The granting of the licence at Twickenham was opposed by Mr. C. J. Palmer, Mr. C. J. G. Bunker, and Mr. H. Machin, who are willing and anxious to supply horticultural poisons. The committee reported that the reasonable requirements of the public are not satisfied, and recommended that the licences be granted.

At the meeting of the London County Council on October 26, the Public Control Committee reported having considered the undermentioned applications for licences: Mr. George Mence Smith, 104 Southwark Street, S.E., wholesale oil and colour merchant and drysalter; T. S. Ware (1902) Ltd., 25 York Road, Lambeth, S.E., nurserymen, etc.; R. Neal, 311 Trinity Road, Wandsworth, nurseryman; Morle & Co., 156 Finchley Road, N.W., nurserymen; E. Dixon, 18 North Side, Wandsworth Common, S.W., nurseryman; Barr & Sons, 11 and 13 King Street, Covent Garden, W.C., seedsmen; W. Darlington, 386 Mentmore Terrace, Hackney, horticultural sundriesman; Rawlings & Son, 8 Southfields Terrace, Merton Road, Wandsworth, horticultural sundriesmen; H. Windsor & Sons, Roehampton Lane, Roehampton, ironmongers, etc.; A. J. Castle, 26 High Street, Roehampton, oilman and hardware-merchant. An objection had been received in the cases of H. Windsor & Sons and A. J. Castle. The following licences were granted: T. S. Ware, R. Neal, Morle & Co., E. Dixon, Barr & Sons, W. Darlington, and Rawlings & Son.

DUBLIN.—The postponement of the decision of the Dublin Municipal Council in regard to the granting of licences under Section 2 of the Poisons and Pharmacy Act was due chiefly to the attendance at the Council-meeting (*C. & D. Supplement*, October 9) of Mr. D. M. Watson and Mr. W. F. Wells, who had seats at the Council table. The Public Health Committee submitted a report last July in which a statement from the Seed and Nursery Trades' Association was printed, and a reply to it by the Pharmaceutical Society of Ireland, which showed that the "poisonous substances" referred to in Section 2 are stocked and sold by thirty-three chemists and pharmacists in the neighbourhood of the applicants. Appended to the report was the opinion of the Law Agent in regard to the Corporation's power to grant or refuse licences, in which he said that he did not "think that Sub-section 2 binds the Corporation to refuse a licence to a seedsman merely because a chemist in the same district stocks the particular poison. It may mean even that there are already in the neighbourhood a sufficient number of seedsmen licensed to sell same." The Public Health Committee asked the Council to delegate the granting of the licences to them. At the meeting referred to the seed and nursery party thought they had a majority, and that the Lord Mayor's ruling meant the granting of the licences, but Messrs. Watson and Wells had answered the objections so well, and so changed the complexion of affairs, that the motion for adjournment was carried.

At a meeting of the Bath Town Council on October 26, Dr. Preston King moved that the resolution of April 6 last, delegating the powers and duties of the Council under the Act to the Finance and General Purposes Committee, be rescinded. He said that it was a somewhat important thing

when they came to consider that they are allowing those who are not qualified to sell poisons, not by the grain, ounce, drachm, or small quantities, but in bucketfuls. He did not think it was in the best interests of the public that greater facilities should be allowed for the sale of poisons. One of the arguments used in favour of greater facilities in the sale of poisons was that if they went to chemists their poison would cost them more. That is not true. The poisons are put up in wholesale quantities, and cost no more at a chemist's than anywhere else. It has been said that florists have been selling the poisons, and, therefore, they ought to be allowed to do it in the future. That is a very dangerous doctrine. The Act was never intended for a place like Bath, but for the outlying districts, where there are no chemists. Alderman Henshaw thought the motion discourteous to the committee, and suggested that instead the committee should be asked to submit a report upon the Act and its operation in the city. Dr. Preston King accepted this course and withdrew his motion.

Chemists' Windows.

Contributed by "C. & D." Subscribers. The Editor will be glad to receive photographs of effective window-displays for inclusion in this section. Notes on the displays should accompany the photographs.



A Harlene Window.

This is a photograph of the window which took the first prize (20*l.*) offered by Edwards' Harlene Co. through an inset in the *C. & D.* Jubilee and Summer Issue. They had a magnificent response, as may be judged by the full list of the prize-winners given in the *C. & D.*, October 23, p. 23. Mr. W. Maskew, Ph.C., the winner of the first prize, has sent us the following notes of how he dressed his window: "As disorganised windows do not pay, I allowed myself a clear day to make the Harlene display. Owing to the presence of a large supporting column 6 in. in diameter and only $\frac{1}{2}$ in. from the window pane, a symmetrical arrangement was not easy. I decided to occlude the pillar with drapery, and tried white nun's veiling; but, this not setting off the 'Harlene' as I wished, I changed the scheme. Art-green casement linen suggested itself, and I wired to London for twelve yards. I looped the curtains with brass chains, and decided to build the upper part of my window close to the glass. My object was to prevent reflection in the photograph. This was not altogether a success, because in a window like mine, facing an open square, with many trees and a bright sky, a good photo is difficult to obtain. The colour-scheme was effective. I then decided to construct an inverted pyramid, and here a glue-pot proved itself my best friend. With strings attached to rings in the ceiling I suspended rows of 4*s.* 6*d.* 'dummies' one behind the other until the final one was reached. Then I adjusted a glass shelf to give the effect that it supported the lot. The larger dummies, glued to long thin 2-in. boards, formed two columns, which effectually disposed of spaces otherwise difficult to accommodate. I have only three glass shelves at the back, though my window is 11 ft. high. Arranging bottles on these was easy. I also used a small glass stand for 'Uzon' brilliantine, 'Juno-floris,' and other smaller items, and relieved any suggestion of straight lines by placing small showcards at suitable angles

on the edges of my glass shelves. I had used all my available material with the exception of some stock, free samples, and window-bills. These I used in the doorway return window. There is no doubt that the finishing touches helped me towards the prize. The enamelled letters on my window announcing photo goods, optics and dark-rooms were certainly factors of a detracting character. These I had removed, and sent for a sign-writer to do the lettering from my rough design. My actual expenses were: Wood, 1*s.* 6*d.*; drapery, 13*s.* 6*d.*; sign-writer, 15*s.*; printing, 3*s.*; and glue, screws; etc., 1*s.*—total, 17*l.* 14*s.* The window was prepared for dressing on the Tuesday, and the photo was taken on the following Friday morning at 5 A.M., three clear days before the date stipulated. Whilst the window was *in situ* I put an advertisement in the local paper as follows:

THE PYRAMIDS OF EGYPT

Are one of the Wonders of the World.
They, however, are built on
substantial bases.

MASKEWS', CHEMISTS,

Have constructed a Pyramid with
EDWARDS' HARLENE, which stands
on its apex.
See special window and offer this week.

HARLENE FOR THE HAIR

AT

MASKEWS',

26 and 27 Electric Parade,
CLACTON-ON-SEA.

Result: We sold out our first order of about 12*l.* worth, and have had two smaller lots since. The free samples were greatly appreciated.

"*Mem.*—A chemist from the North, in congratulating me, said he might have also competed, but didn't know about the offer. Evidently he was 'born with a twist,' as he doesn't take the *C. & D.*, so does not know what is going on."

The Week's Poisonings.

ELEVEN cases of poisoning are reported this week, most of them being suicides. Emily Hall, a Bristol woman, who was worried about her children, swallowed carbolic acid, with fatal results.—A Yeovil drayman, named Gosney, caused his death by drinking sulphuric acid, which perforated the stomach.—Potassium cyanide caused the death of a Cardiff man at the Deansgate Hotel, Manchester.—Salt of lemon was taken by a Southall girl, named Unwin; and chloral hydrate was stated to have had a fatal effect on Jessie Leonard, of Park Village, who was in the habit of taking sleeping-draughts containing 15-grain doses.—A man named Treadgold, of Hampstead, who had only been married six weeks, but who was worried with debts, drank oxalic acid, and died from the effects.—The Paddington Coroner held an inquest on October 23 on Beatrice Mary Short, who took her life by overdosing herself with veronal. Dr. Tanner, who was called in, said he found a bottle that had contained twenty-five 5-grain tabloids of veronal. The directions stated that three tabloids could be taken, but witness thought that dose too large. He further added that "these tabloids are prepared in a seductive form, and are on sale without restriction by chemists." He regarded the practice of allowing chemists to sell this form of poison without restriction as "a most pernicious one." The jury recommended that this form of veronal should be placed on the Poisons Schedule.—The Devonport Coroner is investigating the cause of the death of a retired medical man, Dr. Edwin Jonathan Henvest—who was in the habit of taking drugs and was found dead in bed. Empty bottles, labelled "Chloroform" and "Strychnine," were found in the bed, and Mr. S. A. Perkins, chemist, Cumberland Street, gave evidence that the doctor sent for solutions of these drugs on the previous day. The inquest was adjourned.—A Scarborough baker, named Hartley, died in the hospital on October 21, and as his death is thought to be due to poison an inquest is to be held.—A sixteen months' old child named Morley at Cresswell died from the effects of drinking turpentine. Dr. Wood found about 1½ oz. turpentine in the stomach. He said that turpentine sometimes acts as an irritant, but in this case "the turpentine was so weak," that it acted as a narcotic.

RUSSIAN ANISEED.—The exports from Riga during 1908 amounted to 447 tons, against 307 tons in 1907 and 260 tons in 1906.

Personalities.

Mr. C. H. BARRETT has resigned his position as dispenser to the St. George's-in-the-East Guardians.

Mr. JOHN WILD, B.Sc., F.C.S., Bredbury, has been made a J.P. for Cheshire.

Mr. W. R. KING, J.P. (Typke & King), has agreed to act again as Mayor of Southend-on-Sea for the coming municipal year.

Mr. F. MARCH, chemist and druggist, Torquay, has been elected a member of the Council of the local Chamber of Commerce.

THE late Mr. Alexander Cleghorn, of Cape Town, was in business in Cupar, Fife, not Kirkcaldy, as stated in the *C. & D.* last week.

COUNCILLOR C. E. FOX, J.P. (W. Fox & Sons, Bethnal Green Road), ex-Mayor of Bethnal Green, presided at the opening of a bazaar at the Victoria Park Wesleyan Church.

Mr. E. A. WRIGHT, formerly with Mr. Edward Taylor as representative in the North of England, is to represent the Galen Manufacturing Co., Ltd., London, on the same ground.

MR. EDWARD H. STOREY, Ph.C., 42 Castle Street East, Oxford Street, London, W., has been returned unopposed as a member of the St. Marylebone Borough Council for the Cavendish Ward.

Mr. W. FROST WOOD, chemist and optician, 132 Dame Agnes Street, Nottingham, on Saturday, October 23, won the gold medal presented for competition biennially by the Bulwell Forest Golf Club.

MR. C. T. BENNETT, B.Sc., Ph.C., of Messrs. Wright, Layman & Umney's laboratory staff, has been elected a Fellow of the Institute of Chemistry, whose associateship examination he passed in 1906.

MR. ALBERT DAVID, chemist and druggist, St. David's, was last week presented with a gold watch and chain and illuminated address on his leaving the town after having resided there thirty-one years. The presentation took place at the Town Hall.

SIR EDWARD THORPE, F.R.S., was entertained at dinner in the Devonshire Club on Wednesday evening, October 27, by the officers and Council of the Society of Public Analysts, on the occasion of his retirement from the post of Principal of the Government Laboratory.

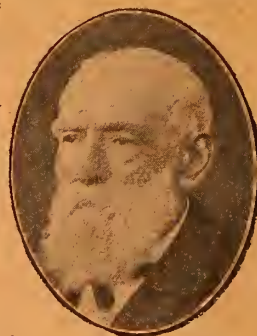
MR. A. E. HOWLING, chemist and druggist, 70 Green Street, Forest Gate, E., met with a boating accident at Southend last week. The boat in which he and some friends were sailing capsized and all the occupants were thrown into the sea. The accident was observed from the shore, and all were rescued.

In connection with the presentation to Mr. Richard Scruton, J.P., York (*C. & D.*, October 23, p. 637), it is interesting to note that Mr. John Raimes, the founder of the business of Raimes & Co., was a fellow-apprentice at York with the late Mr. George Meggeson, founder of Meggeson & Co., London. Some historical particulars of the business were given in the Winter Issue, p. 184.

MR. S. T. MILBANK, of Messrs. Speechly & Milbank, chemists, Bishop Stortford, who is M.E.Z. of the Brooke Chapter, No. 2005, P.M. and Treasurer of St. Michael's Lodge, No. 2136, and P.M. and a Founder of Harlow Lodge, No. 2734, has this year had Provincial rank bestowed on him in both Provinces of Herts and Essex, having been appointed Assistant Grand Scribe E. in the Provincial Grand Chapter of Essex, Assistant Grand Director of Ceremonies (Essex), and Provincial Grand Steward of Hertfordshire.

MR. ANDREW DEVITT, the well-known produce broker, of Messrs. Lewis & Peat, 6 Mincing Lane, London, E.C., met with a severe accident in Scotland recently while on holiday. It appears that he was crossing the river at Tomatin, near Inverness, in a cradle ferry, when, owing to the high winds, he unwittingly caught hold of the pulley rope to steady the cradle, and the pulley, coming along at that moment, lacerated his left hand, so much so that it was found necessary to amputate the two middle fingers. Mr. Devitt is making good progress towards recovery.

MR. ROBERT ROBINSON, chemist and druggist, Sunderland, is an octogenarian and the founder of the Sunderland Pharmaceutical Association, and was treasurer for nearly thirty years. When, in 1863, a branch of the United Society of Chemists and Druggists was formed in Sunderland, Mr. Robinson was a member of the committee. For many years he was in business in the town, but has lived in retirement for some time. He celebrated his golden wedding four years ago.



MR. R. ROBINSON.

MR. CHARLES WIGHTMAN, F.I.C., has, owing to ill-health, resigned the chairmanship of the committee of the Evelina Hospital for Children.

MR. GEORGE WATT has been appointed by Messrs. Evans Sons Lescher & Webb, Ltd., to represent them in India and the East. Mr. Watt is a nephew of Mr. John Lorimer, and served his apprenticeship at Falkirk with Mr. David Murdoch, Ph.C., the *doyen* of Scottish pharmacy, who has now retired from business. Mr. Watt then came to London and extended his retail experience before joining the staff of Messrs. Lorimer & Co., Ltd., Britannia Row, London, N., where he was in the warehouse for some time and then went "on the road"—in which capacity he found what he has by Nature been "cut out" for. Mr. Watt is an excellent musician, and was a pupil of the late Signor Garcia. It was while singing solos in "Pagliacci" at the Crystal Palace a few years ago that this sketch of Mr. Watt was made by Mr. Herbert Godfrey, who conducted the orchestra on the occasion. It will serve to introduce Mr. Watt to our subscribers in India.



MR. JAMES ORROCK, Bedford Square, London, W.C., an octogenarian artist, is the son of an Edinburgh dentist, and himself practised the same profession at Nottingham. He soon afterwards deserted dentistry for landscape-painting.

FIFE SHIRE PHARMACEUTICAL ASSOCIATION.—A large and influential meeting of this association was held in Dunfermline on Wednesday afternoon, October 27. Mr. D. Gilmour (President) was in the chair, and representatives were present from nearly every part of the country. Great interest attached to a conference on the question of the supply of medicines to miners. Hitherto the practice has been for a sum to be kept off the men's wages per fortnight for medical attendance, the medicine being supplied by prescription. A new move, however, has been made to make this fortnightly levy include all medicines and surgical dressings. The doctors naturally object to this, and the point for discussion was, Should the chemists undertake to supply the medicines for a nominal sum per head off the sum levied for attendance?—in other words, enter into an unknown contract. The discussion was taken part in by Messrs. Storrar, McLaren, and Stewart, Kirkcaldy; Yule, Cowdenbeath; Hoy and Gordon, Kelty; Hogg, Leven Fisher; and Robertson, Dunfermline, etc. A motion to resist the method of supplying medicines by contract, and in support of the position taken up by the medical men, was carried unanimously. The President referred to the disappointing result of the Agri-Horticultural Licensing question all over Scotland, but hoped the Council might obtain some guidance for action in the specific information being sent up through the North British executive. The President also made an appeal on behalf of Parliamentary representation, and explained the position. Reference was made to the open sale of medicines and poisons in a grocer's shop, and it was resolved to communicate with the assistant secretary on the matter. A cordial vote of thanks brought an interesting meeting to a close, and the members enjoyed a social cup of tea.

New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Hardwicke, W. Wright. *Sight-testing made Easy*. 7½×5. Pp. 74. 2s. 6d. net. (Churchill.)

Johnson, Amy F. M. *Text-book of Botany for Students*, with directions for Practical Work. 7½×4½. Pp. 544. 7s. 6d. (Allman.)

Kennelly, A. E. *Wireless Telegraphy and Wireless Telephony*. 8×5. Pp. 288. 4s. net. (Unwin.)

Kellas, A. M. *Introduction to Practical Chemistry*. 9×5½. Pp. 270. 3s. 6d. net. (Frowde.)

Ker, C. B. *Infectious Diseases*. A practical text-book. 10×7½. Pp. 568. 20s. net. (Frowde.)

Kipping, F. S., and Perkin, W. H. *Inorganic Chemistry*. Part I. 7½×5. Pp. 320. 3s. 6d. (Chambers.)

Koch, L. *Pharmakognostischer Atlas*. Vol. I. Part 1. 11½×8½. Pp. 24, with 5 plates. Subscription price, 3m. 50pf. (Borntraeger.) [This part begins the second portion of Dr. Ludwig Koch's work on the microscopical analysis of powdered drugs. The drugs treated are cascarilla, cinchona, and cinnamon barks. Detailed descriptions are given, with beautiful illustrations, of the transverse, longitudinal, and tangential sections of these three barks. Notes on preparation for sectioning are included.]

Macfarlane, W. *Laboratory Notes on Iron and Steel Analysis*. 7½×5. Pp. 478. 7s. 6d. net. (Longmans.)

Meyer, Dr. J. (ed.) *Pocket Medical Dictionary*. In Eight Languages 6½×4½. Pp. 816. Lthr., 20s. net. (W. Lockwood.)

Matriculation Model Answers: Chemistry. From Jan. 1904 to Sept. 1909. Cr. 8vo. Pp. 176. Swd. 2s. (Clive.)

Matriculation Model Answers: Heat, Light, and Sound. From June 1904 to Sept. 1909. Cr. 8vo. Pp. 192. Swd. 2s. (Clive.)

McCutcheson, J. *Principles of Agriculture*. Text-book for lecturers, etc. 7½×4½. Pp. 218. 3s. 6d. net. (E. & S. Livingstone.)

Pharmacopœia Londinensis, 1851. Part 2, *Præparata et Composita*. A reprint for the use of students. Ed. by George Stirling. 8vo. 20s. net. (J. Gower.)

Clowes, F., and Coleman, J. B. *Quantitative Chemical Analysis*. 8th ed. 9×5½. Pp. 565. 10s. 6d. net. (Churchill.) [The new edition of this standard work appears with an augmentation in the size of the page to keep down increase in thickness of the volume. The matter has been completely revised and much new subject-matter included, notably in connection with the electrolytic estimation of metals, several volumetric estimations, including hydrogen peroxide and formaldehyde, estimations of preservatives in milk and poisonous metals in water, and a new section on the analysis of oils, fats, and waxes.]

Ryley, A. Beresford. *Practical Chemistry for Public Schools*. 8¼×6½. Pp. 156. Interleaved, 4s. 6d. (Churchill.) [Mr. Ryley is a master at Malvern College, and has written this book for chemistry students who have some acquaintance with simple physical measurements. It is largely experimental, but certain operations, indicated by asterisks and involving the use of complicated apparatus, are intended to be performed by the demonstrator. The blank pages are inserted for diagrams of apparatus, which the teacher explains by means of the blackboard.]

Stewart, A. W. *Recent Advances in Physical and Inorganic Chemistry*. 9×5½. Pp. 267. 7s. 6d. net. (Longmans.) [The work is a complement to the author's "Recent Advances in Organic Chemistry." The subjects dealt with include colloids, fixation of nitrogen, double salts, the problem of oceanic salt-deposits, cobaltamines, absorption spectra, elements of the rare earths, atomic weights, inactive gases; radioactive elements, changes, and emanations. Subjects of the highest importance to young chemists and of great interest to pharmacists are thus included, and the results of recent investigations placed at their disposal.]

White, W. Hale. *Materia Medica, Pharmacy, Pharmacology, and Therapeutics*. 6½×4. Pp. 695. 11th ed. 6s. 6d. (Churchill.) [The first edition was published in 1892 and this, the eleventh, has been brought up to date. The drugs of the Indian Addendum are dealt with in an appendix. Sour milk is mentioned, somewhat indefinitely, under a group dealing with acids. It is a handy book for pharmacists on account of the inclusion of the therapeutics of the drugs dealt with.]

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," October 6, 1909.)

"FEROL"; for chemicals (1). By Alexander, Fergusson & Co., Ltd., Ruehill Street, Maryhill, Glasgow. 513,810.

"TOPSY"; for all goods (1). By General Kaputine Syndicate, Ltd., Chald Lane, Wakefield. 516,082.

"MARVELINE"; for a veterinary medicine (2). By W. II. Thomas, 6 Christopher Street, Llanelly. 514,738.

"SKY"; for chemicals (2). By Lever Bros., Ltd., Port Sunlight, Cheshire. 515,177.

Picture of castle and horn, with flag bearing facsimile signature; for all goods (2). By H. R. Maynard, 17 High Street, Horncastle. 515,611.

"REVIVETTS" and "ERADA"; for all goods (3). "FRUT-VIVA"; for cordials and essences (42). By J. M. Whyte, Arranmore, Clifton Park Avenue, Belfast. 514,745/6, 515,170.

"REITS"; for a rheumatism-cure (3). By W. Stillwell, 39 Latimer Road, Godalming. 514,799.

"MITO" CORN CURE; and label device; for a corn-cure (3). By C. Kay, 38 Osborn Street, London, E. 515,354.

Fac-simile signature, "M. APPLEBY"; for soap and shaving-paste (3). By Mary Appleby, 84 Hilltown, Dundee. 515,355.

"ADRENINE"; for medicinal chemicals (3). By Crown Chemical Co., Ltd., Marsh Gate Lane, Stratford, London, E. 515,905.

"ROBURINE"; for a pharmaceutical preparation (3). By H. N. Backhouse, 76 New Bond Street, London, W. 516,144.

"ANGLETTE"; for spectacles (8) and frames (13). By Newbold & Bulford, 46 and 48 Goswell Road, London, E.C. 514,011, 514,665.

"TWO-POWER STANDARD"; for all goods (42). C. W. Field, 92 Wood Street, Liverpool. 514,626.

"HOLMES" 'CHILLINE' and 'CHILLITE'; for food-preservatives (42). By P. Holmes, 57 Charterhouse Street, London, E.C. 515,169/70.

"CHINOFOL" and "INDOFOL"; for China and India tea (42). By Southall Bros. & Barclay, Ltd., Birmingham. 515,623/4.

"GOLD SEAL," and picture of alchemist; for essences (43). By Clayton & Jowett, Ltd., 5 Concert Street, Liverpool. 515,906.

"PARIOCAPIL FOR THE HAIR"; and label device; for a hair-preparation (48). By John Walker, 39½ Lichfield Street, Burton-on-Trent. 514,966.

"VOSCO"; for toilet-soap (perfumed) (48). By H. S. Willcocks & Co., 9 Oxford Street, Manchester. 514,279.

"STOMAL"; for mouth-washes (48). By Lucy A. Sherwood, 55 Southfield Road, Oxford. 514,842.

Picture of hounds jumping water, and label device; for perfumery, etc. (48). By N. Stecklyn, 15 Stoney Lane, London, E. 515,574.

"POMONA"; for perfumery, etc. (48). By C. C. Goodwin, Ordsall Lane, Manchester. 515,548.

"ALTO"; for perfumery, etc. (48). By Bayley & Co., 94 St. Martin's Lane, London, W.C. 515,574.

"GILLETTE"; for shaving-soap (48). By Gillette Safety Razor, Ltd., 17 Holborn Viaduct, London, E.C. 515,667.

(From the "Trade-marks Journal," October 13, 1909.)

"LAVCANEM"; for a dog-washing preparation (2). By F. H. Hodson, 14 Victoria Street, London, S.W. 515,196.

"REDUCINE"; and racecourse device; for veterinary chemicals (2) and for all goods (3). By Reducine Co., 38 South Frederick Street, Dublin. 515,086, 516,161.

"SILVERETTE" and "SHARK"; for flycatchers (2). By J. N. Dean, 42 High Street, Stockport. 515,424, 515,820.

"COLGAR"; for antiseptic preparations (2). By A. Docker, 9 Gray's Inn Square, London, W.C. 516,022.

"BUSY-BEE," for flycatchers (2) and "ALBON," for all goods (3). By R. Stothert & Sons, North Road, Atherton, Lancs. 516,072/3.

- "SUNSLAVE"; for ointments and plasters (3). By Thomas Morris, 2 Glendower, Brockhurst, Gosport. 312,568.
- "UCAL"; for all goods, except pills (3). By H. Miller, 389 High Street, Cheltenham. 313,276.
- "T. PLATT OINTMENT," facsimile device; for a plaster-ointment (3). By T. Platt, 129 High Street, Golborne. 313,351.
- "BOURAD," in radiate device; for a radio-active mud (3). By Banque du Radium, 45 rue Boissy-d'Anglas, Paris. 314,408.
- "RHUKIL"; for a medicine (3). By A. M. McNicol and D. R. Macalister, 787 New City Road, Glasgow. 314,288.
- "FERROLE"; for a medicine (3). By C. H. Griffiths, 71 Market Street, Droylsden. 314,817.
- "DANDY LION BRAND," and picture of lion in man's clothes; for dandelion preparations (3). By G. B. Collins, 5 Quarry Road, Tunbridge Wells. 314,888.
- "DUNKOINT," and sheep's head device; for an ointment (3). By A. Dunk, Great Chart, Kent. 314,970.
- Label device of firm's name and address; for medicinal substances (3) and for hair-oil (48). By C. E. Morton, 107-109 Leadenhall Street, London, E.C. 314,898/9.
- "COMSTOCK'S 'DEAD SHOT' WORM PELLETS," and label device; for a medicinal preparation (3). By W. H. Comstock Co., Ltd., Court House Avenue, Brockville, Ont., Canada. 315,219.
- "STAMNOL"; for medicinal chemicals (3). By W. Macadie, 116 Falkland Road, Hornsey, London, N. 315,166.
- "CTPAL"; for all goods (3). By Woolleys, Ltd., King Street, Blackburn. 315,623.
- "CUTISHUR"; for all goods (3). By J. B. Atherton, Grange Lane, Gateacre, Lancs. 316,057.
- "CINDERELLA"; for all goods (3). By William Bradford, Bridge Works, Brentford. 316,106.
- Label device of face, wearing pince-nez; for all goods (8). By Burnett, Hodd & Co., Electra House, Finsbury Pavement, London, E.C. 312,913.
- "CODOILINE"; for animal food substances (42). By Osmond & Son, Ltd., Albion Street, Spalding. 312,862.
- "VALQUAL"; for food-substances (42). By F. H. Henrici, 43-45 Great Tower Street, London, E.C. 316,009.
- "MAGI"; for a mineral water (44). By Caledonia Springs Co., Ltd., Windsor Station, C.P. Rly., Montreal. 315,515.
- "KASHI"; for a fabric-cleansing soap (47), and for a furniture-paste (50). By Mary S. Rowland, 7 Conduit Street, London, W. 316,043/4.
- "ONLE"; for hair- tonic and toilet-preparations (48). By A. A. Leon, Ray Park Road, Maidenhead. 314,161.
- "DORSE"; for perfumery, &c. (48). By C. E. Goode, 56 Welbeck Street, London, W. 315,350.
- "FIRMO"; for a hair-preparation (48). By H. E. Molyneux, 1 Grafton Road, New Brighton. 315,470.
- "NAVITA"; for perfumery, etc. (48). By H. B. Lloyd, 109 High Street, Cheltenham. 315,742.
- "LIT"; for perfumery, etc. (48). By Bayley & Co., 94 St. Martin's Lane, London, W.C. 315,768.
- "PHILODERMIQUE CRÈME NEIGE"; for a toilet-cream (48). By Steinfels Frères, 29 rue Massue, Vincennes, Seine. 316,103.

India and the East.

(From the "C. & D." Correspondents.)

MONAZITE SAND FROM SOUTH INDIA.—The Cape Comorin correspondent of the "Madras Mail" says that at the instance of Mr. C. W. Schomberg, of the London Cosmopolitan Mining Co., Ltd., Messrs. Chisholm, Ewart & Co. have shipped from Colochel six tons of monazite sand. This is interesting, inasmuch as Brazil has hitherto furnished the entire supply, and British manufacturers are only too glad to obtain independent supplies.

HIMALAYA NOTES.—A Mussoorie correspondent writes us on October 8, that the season is now rapidly drawing to a close, and the visitors are returning to the plains. The band of the "Royal Irish," which was engaged to entertain visitors, has given its farewell open-air performance, and the chilly evenings, as it were, usher in the coming winter. Mr. Robb, formerly of Messrs. Fitch & Co., Ltd., Mussoorie, has been appointed successor to the late Mr. Clapp at Messrs. J. B. & E. Samuel's.

Coming Events.

Secretaries of Pharmacists' Associations and other trade organisations are requested to communicate to the Editor the programmes for the coming Winter Session.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor not later than Wednesday of the week before the meetings, etc., occur.

Monday, November 1.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Mr. J. H. Coste on "Technical Gas Calorimetry"; Messrs. W. P. Jorissen and R. Rutten on "Naphthalene Purate and the Quantitative Determination of Naphthalene"; Mr. J. C. Stead on "The Manufacture of Large Blocks of Artificial Stone from Sand and Lime."

National Union of Assistant Pharmacists, Newcastle-upon-Tyne Branch, 14 Pilgrim Street, at 8.15 P.M. Mr. H. N. Popham, lantern-lecture entitled "A Continental Trip—There and Back." The lecture is open to all assistants.

Association of Certificated Dispensers, Apothecaries' Hall, Blackfriars, London, E.C., at 8 P.M. Discussion on Section 4 of the Poisons and Pharmacy Act.

Tuesday, November 2.

Bradford Chemists' Association, Bonnet's Café, at 8 P.M. Whist-drive.

Federation of West Riding Chemists' Associations, Grand Restaurant, Boar Lane, Leeds, at 7.30 P.M. Annual meeting and election of officers.

Wednesday, November 3.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, at 3 P.M. Council-meeting.

Stockport Pharmacists' Association, County Restaurant, St. Peter'sgate, at 9 P.M. Meeting.

Thursday, November 4.

Chemical Society, Burlington House, London, W., at 8.30 P.M. "Dynamics of the Reaction between Iodine and Acetone," by Dr. H. M. Dawson and Miss H. S. Leslie; "The Formation and Reactions of Imino Compounds. Part XI.: The Formation of 1-imino-2-cyanocyclopentane from Adiponitrile," by Dr. J. F. Thorpe.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Impromptu papers.

Friday, November 5.

Blackpool and Fylde Pharmacists' Association, Palatine Hotel, Blackpool, at 7 P.M. Address by President and discussion on Early Closing.

THE CARDIFF PHARMACEUTICAL ASSOCIATION have arranged a whist-drive at the Occidental Café for November 10. Tickets (2s. each) from Mr. E. Poole, Hon. Secretary, 71 Broadway.

THE INAUGURAL DINNER of the Salford Pharmacists' Association will be held at the Castle Market Hotel, Cross Lane, on November 18. Tickets from Mr. C. Brown, 161 Bury New Road, Manchester.

THE ANNUAL REUNION AND SMOKING-CONCERT of the Chemists' Assistants' Association will be held at Frascati's Restaurant, Oxford Street, London, W., on November 18. Tickets (1s. each) can be had from Mr. A. S. Peake, 49 Newgate Street, E.C.

THE ANNUAL DINNER of the Western Chemists' Association is to take place at Frascati's Restaurant, Oxford Street, London, W., on November 17. Tickets may be had from Mr. C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W.

WOLVERHAMPTON AND DISTRICT CHEMISTS' ASSOCIATION.—The annual whist-drive will be held at the Star and Garter, Wolverhampton, on the evening of November 18, at 7 o'clock. Tickets (2s. 6d. each) can be obtained from Mr. J. H. Coleman, 7 Worcester Street, Wolverhampton.

THE FIRST EVENING MEETING of the session of the Pharmaceutical Society of Great Britain will be held at 17 Bloomsbury Square, London, W.C., on November 9, when Mr. Frank Tutin will read a paper on "The Tests for Purity of Quinine Salts," and Mr. P. E. F. Perrédès on "The Cultivation of Grindelia Camporum in Jersey."

THE THAMES VALLEY PHARMACISTS' ASSOCIATION is to hold a whist-drive at "The Pagoda," 30 Hill Rise, Richmond, on November 10. Tickets (2s. 6d. each, or 4s. 6d. double) from Mr. A. Higgs (Treasurer), 42 Richmond Road, Kingston-on-Thames, or Mr. O. R. Windemer (Hon. Secretary), Ewell Road, Surbiton.

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Consulting Chemist.—R. H. PICKARD, D.Sc. Ph.D., F.I.C.

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CUPAL LIMITED has been formed for the purpose of taking over the well established and substantial business of Woolley's Limited, Blackburn (founded by the Managing Director, William Woolley, J.P.), and developing still further the sale to **QUALIFIED PHARMACISTS ONLY** of such proprietaries as "Chemists' Emulsion" and other specialities which have been so largely supplied with such great advantage to customers under the brand of "CHEMISTS' PROPRIETARIES COMPANY."

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CUPAL LIMITED desires and intends to be the supporter of the professional Pharmacist only, uniting with him and assisting him to successfully compete with the vast retail Drug Companies with their enormous capital, numerous shops, and powerful organisations.

The ever-increasing sale of Patent Medicines and Proprietary Articles by irresponsible Drug Dealers and Stores makes it quite necessary, if the individual Pharmacist would maintain a tolerable existence, that he should be loyally supported by a wholesale firm who would supply him and his qualified brethren—and them only—with preparations of the highest

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CUPAL LIMITED will be able to do this, as indeed for several years past it has already been done by Woolley's Limited.

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It is useless for the RETAIL PHARMACIST to fight single-handed against the great Drug Stores, but by active co-operation with Cupal Limited victory and success may be assured.

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The benefit accruing to the Pharmacist will not stop here. CUPAL LIMITED will not only help **ENORMOUSLY IN SPECIALISING**, but with so many staunch and loyal supporters the Company will become an important centre of lines of real interest to the trade, supplying staples to advantage and controlling the sale of an increasing number of new and popular specialities that can reach the public through the qualified Pharmacist only.

The services of Mr. Woolley as Managing Director will be available in the future as in the past, and he will under the new conditions have the valuable assistance of experienced Pharmacists as advisers and Co-directors.

To still further promote and establish the necessary co-operation between Cupal Limited and the Trade, arrangements are in preparation for inviting the Retail Pharmacists of the Country to become directly interested in the Company by taking Shares therein and by offering to Shareholders on all articles purchased by them a special Shareholders' Discount.

It is intended as opportunity offers to form **ADVISORY COMMITTEES** of Pharmacists in various centres who shall be in constant communication with the Company with the view of more perfectly ascertaining the wants of the trade and the needs of its customers. These committees will be chosen in as representative a way as possible so that the Trade shall benefit to the utmost extent.

A scheme also is under consideration by which at the proper time representatives of the Retail Trade, if duly qualified, can be nominated as Directors of the Company and so complete the unity of interests of Cupal Limited and the Trade.

With such mutual support as is now for the first time possible between the Manufacturer and the Retailer, with the consequent natural development of the Company's operations along lines approved by the general body of the Trade, it is impossible to forecast how great the beneficial results to the Pharmacist will be. Pharmacy for the Pharmacist will become a reality.

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All these customers in all parts of the British Isles have been more or less REGULAR PURCHASERS DIRECT FROM US for some years past. We are now seeking to divert into the hands of Chemists, &c., the whole of this enormous trade, together with the anticipated great increase of sales resulting from the introduction of the increased sizes and reduced prices.

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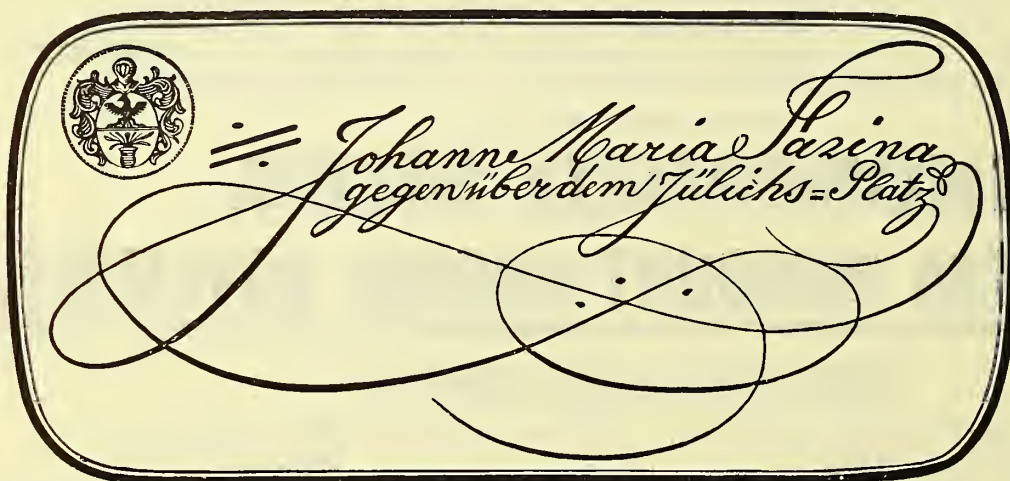
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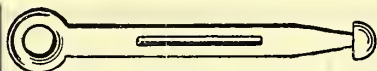
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is bought as soon as seen, because it is so obviously superior to hard curlers and wavers or tongs in comfort, cleanliness, and safety. It gives any wave or curl effect with perfect ease.

Three sizes: Children's, Medium and Long. Two colours: Black and Grey. Instructions for use supplied in all languages.

Advertised by us to retail at 1/- per set. Trade Price: 7/- per box of one dozen sets.

Write us for list of Wholesale Houses supplying this "self-selling," profitable line.

The MERKHAM TRADING CO. Ltd.

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LONDON,
W.C.



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Tooth Elixir "Friederich"

CLEANS THE TEETH AND PURIFIES THE BREATH.

PLEASING TO THE
PALATE.ON THE
P.A.T.A.

1/- size, 7/10 doz.;
1/8 size, 13/- doz.;
2/6 size, 19/6 doz.

SOLE AGENTS:

JULES DENOUL & CO.

Carlton Works, ASYLUM ROAD, LONDON, S.E.

"May Queen"
POWDERED TOILET SOAP.
 DELICATELY PERFUMED.
 Packed in Prettily Decorated Sprinklers.
*Certified by D. A. B. Griffiths of London Public Analyst
 as the "VERY BEST TOILET SOAP." Antiseptic, Disinfectant & Hygienic.*
 Write for Sample Tin to **HENRY SHAW & CO DUKINFIELD.**

LOTIL SOAP.

All soaps hitherto introduced are simple combinations of alkali and fatty acids, which in the presence of water undergo dissociation. The alkali, thus set free, acts deleteriously on the skin, removing the natural fat, and creating a sensation of dryness and tension.

LOTIL SOAP possesses properties the exact opposite. The skin, after the lather has been thoroughly rubbed in, acquires an imperceptible coating of fat, and the sensation after rinsing and drying is that of smoothness and suppleness. A free sample will enable you to prove this,

Write for Price List, WITH BONUS SCHEME, to the Agents:—

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ARTIFICIAL & SYNTHETIC PERFUMES.

COMPAGNIE MORANA

Joint Stock Company,
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" Muguet fleuri,
extra

Latest Novelties.

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Cœur de Jeanne
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of guaranteed purity

Latest High-class Compositions.

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&c.**

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MAIN OFFICE KALAMAZOO, MICH., U.S.A.

GROWERS, DISTILLERS, AND REFINERS OF

CRYSTAL WHITE DOUBLE DISTILLED AND REFINED OIL PEPPERMINT.

This Oil is distilled from the choicest plants of True Peppermint, grown on our own farms, and is guaranteed to be the highest quality produced. We recommend its use to all manufacturers who desire to obtain the best possible results.

Packed in 10 lb. and 20 lb. Tins, and 1 lb., $\frac{1}{2}$ lb., and $\frac{1}{4}$ lb. Bottles.

✉ CORRESPONDENCE SOLICITED ✉



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(TRIPLE STRENGTH).

WE have built up an extensive Perfume trade by selecting the particular essences in which individual French manufacturers excel, and by only supplying these highest class French Essences of standard concentration to our friends.

Quality is the one thing necessary in perfumery. Regarded solely from an advertising point of view, it is the soundest of policy to be most careful when selecting perfumes.

Our French Essences are the best that money can buy. In particular, the delicate bouquet of the following will be most noticeable: PARMA VIOLET, WALLFLOWER, and LILY OF THE VALLEY.

IN 1-LB., $\frac{1}{2}$ -LB., AND $\frac{1}{4}$ -LB. HANDSOME BOTTLES,
WITH HEAVY CUT STOPPERS; A MOST
ATTRACTIVE BOTTLE FOR COUNTER DISPLAY.

We have also a Special Line in $2\frac{1}{2}$ -oz. Bottles, similar to the above.

SPECIAL OFFER.—To buyers who want to test samples of the above, we shall send a small sample case free on application.

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LONDON & LIVERPOOL.

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REGISTERED



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POWDER IN BOOK FORM WITHOUT A PUFF.

The Original PAPIER POUDRE in Dainty Books.

Papier Poudre, 4½d. size	White, Rose, or Rachel.	2/6
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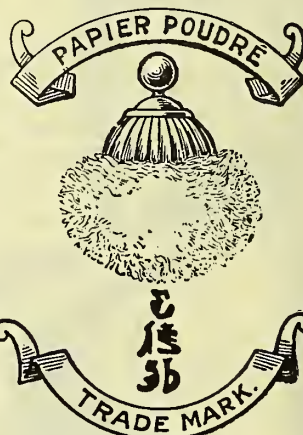
CAUTION.

In the Civil Tribunal of the Seine, on April 1st, 1909, after protracted litigation, an injunction was obtained against a Paris House for an infringement of these trade marks, full costs and damages being then awarded to PAPIER POUDRÉ, LIMITED.

Papier Poudre

**RESOLUTELY REFUSE ALL
SUBSTITUTES.**

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23 Somerset St., Portman Square,
London, W., and in Paris.

NONE GENUINE WITHOUT OUR TRADE MARKS.

Price List on application to—

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BY APPOINTMENT



TO H.M. THE KING.

SCRUBB'S AMMONIA

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath. Invaluable for Toilet Purposes.
Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.
Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.
Restores the Colour to Carpets. Cleans Plate and Jewellery. Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

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NEWBRO'S HERPICIDE

The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

TRADE SUPPLIED BY

THE AMERICAN DRUG STORES THOMAS CHRISTY & COMPANY

Wholesale and Retail

C. BROOKS, M.P.S., Chemist and Druggist,
4 Northumberland Av., W.C.; Craven House,
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PRICES

Retail 4/- per bottle.

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In lots of 3 dozen, 5 % discount.



THROUGH ALL WHOLESALE HOUSES.

THE RIGHT
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THE RIGHT
QUALITY

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COLD



CREAM

2 lb. Boxes 1/6 lb., less 10%.

6d. Pots (1 1/2 oz.) 4/6 doz., 10%, or Cards of
18 x 2d. Tins 2/- Card, 10%.

There is NO EQUAL in QUALITY or PRICE.

SAMPLE POST FREE.

The World challenged to produce its equal in appearance or effect, as a Cold Cream, Face Cream, or as a Chemists' Specialty Cream, guaranteed never to go rancid in any temperature, or alter in its appearance. This article was the only cause of the revival in sales of Cold Cream, and created the demand for skin foods. Its superiority and its enormous sale created many imitators, but as yet no equal. Prove it by examination. Sample is free. Keep the sample for a few weeks by the side of imitations, and then judge for yourself.

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ONE-SOLUTION

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In nine shades — Raven Black, Black, Dark Brown, Brown, Medium Brown, Light Brown, Golden Brown, Auburn and Chestnut.

THE BEST ON THE MARKET
ABSOLUTELY RELIABLE.

Shows over 100 per cent. profit.

Can be supplied under Chemist's own title if preferred, and exclusive design of carton and label reserved in any one town.

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IS UNRIVALLED AS A BASE
FOR PRODUCING ECONOMICALLY

HIGH CLASS

NON-GREASY, NON-STICKY
WINTER CREAMS AND SKIN FOODS

Which nourish the epidermis and fortify it against the injurious effects of biting frost and cutting winds

A 2/6 tin of Cremogen will yield up to six or seven pounds of snow-white cream by the addition of 228 grains of Borax and tap water as desired.

Cremogen is sent post free for 2/6 to any part of Great Britain by—

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OLIVE OILS

Edible and Pharmaceutical, B.P.

DIRECT IMPORT FROM
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ROBARE'S AUREOLINE

Or GOLDEN HAIR WASH.

4-oz. Bottles, 33/- 10-oz. Bottles, 66/- per doz.

Wholesale from R. HOVENDEN & SONS, LTD., and from all the principal Patent Medicine Warehouses in London.



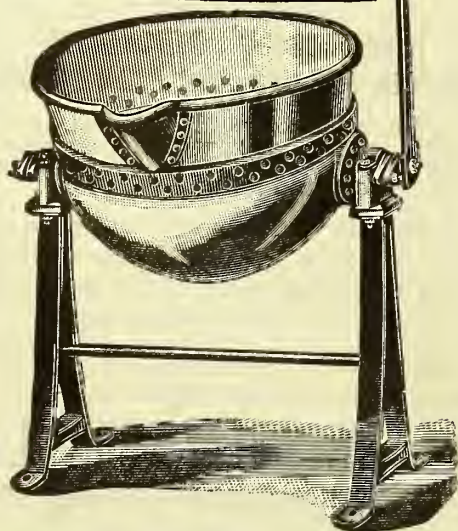
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kept conveniently on hand so that users can be quite independent of the milkman, and when the required amount of water is added, it is in every way equal to milk fresh from the cow. Please write to-day for full particulars to

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Trumilk full cream is milk unskimmed and reduced to a powder. In flavour and appearance it is exactly the same as new pasteurised milk, and it easily dissolves in cold water. The production of Trumilk has solved the problem of keeping milk indefinitely in its natural condition. Trumilk can be

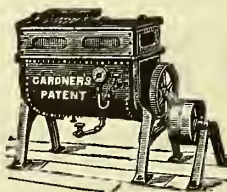
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FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

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INDEX and BUYERS' GUIDE

See pages 7 to 11.

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ALBATHUM or WHITE ROUGE**
(REGISTERED AS A TRADE MARK)

For CLEANING GOLD, SILVER and PLATED GOODS.

A trial is only needed to prove its superiority over other Plate Powders in use. Chemists will find it to their advantage to recommend this Powder, as when it is once tried it is always continued to be used.

Sold in Boxes at 1s. and 2s.; Tins, 6s.

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DAGGETT & RAMSDELL'S PERFECT COLD CREAM.

"The kind that keeps."



The most delightful of all toilet accessories. Known and renowned in every country where daintiness of the toilet is recognised as a mark of refinement. Its popularity is due to its unvarying quality, its absolute purity and the fact that it

NEVER BECOMES RANCID.

Different from and superior to all other cold creams. Not affected by heat, cold or climatic changes. Retains to the last its snowy whiteness, delicate perfume and wonderful properties which have given it international fame.

OBTAINABLE FROM ALL WHOLESALE HOUSES.

Made only by
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Stock the articles which
your customers require
—and will ask for again.
Among these

CALVERT'S Carbolic Tooth Powder

occupies, of course, a prominent position all over the world.

And there is a good demand too for the other specialities, Carbolic Soaps, Ointment, Disinfectants, &c., made by F. C. Calvert & Co., Manchester, England.

Illustrated Price List post free on request.

An Attractive Window READ pays. READ

what "THE CHEMIST & DRUGGIST" says:

LAIT LAROLA. — "This little engraving represents one of the smartest arrangements for window-display that we have seen for some time. It is collapsible, measures 20 in. high by 11 in. wide, and although made of cardboard, at a distance of 3 or 4 yards it is so substantial looking as to convey the idea of the original cartons of "Lait Larola." It is just the thing to make an attractive corner in the window, on a shelf, or, indeed, in any part of the pharmacy. Any C. & D. subscribers who would like one should write to Messrs. Beetham & Son, Cheltenham, the proprietors of "Lait Larola."



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show the retailer a living profit and much more, and if bought on window show terms make 50 per cent. If you are not buying on these terms you should commence now.



Write to-day for full particulars of our selling terms, or refer to our full-page advertisement in *The Chemist & Druggist*, October 9th, or look out for an announcement which will appear in the issue of November 20th.

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A NEW FOOT TONIC. The **ONE AND ONLY** specific for
TENDER—TIRED—FOETID FEET.
A deodorant liquid giving immediate results. A new and
ORIGINAL preparation that sells at sight.
Retail Price 1/- per bottle. Liberal Terms. No Cutting. Agents Wanted.
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GLASS BOTTLES

of best material (tropical proof)
of every description for

CHEMISTS, DRUGGISTS, PERFUMERS.

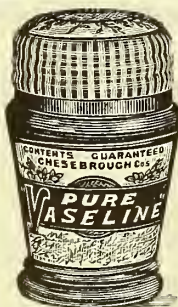
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To be "UP-TO-DATE" you *must* have your "VASELINE" packed in the *Tapered Glass Jars* with Decorated Dome Caps.

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Smartest and Best Value in the market.

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The old-fashioned round jars are "not in it" with this package.



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**MENTHOL & MENTHOL
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Both on
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1 doz., 1/10; 6 doz., 1/8 doz.; 12 doz., 18/6;
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In Blue & Silver Decorated Hinged-lid boxes.
Filled ... 3/6 doz.
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THE ADVANTAGES OVER OTHER CAPPING
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We cannot name them all here in this limited space, but write for full particulars at once. Viscose Caps will save you time, labour, money, and will increase efficiency.

For Capping Everything

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**BOTTLE
CAPS**

ESFON

**The
Nerve
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A Powder-Food that CURES.
Reinforces the NERVES.

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Appeals especially to Vegetarians.

Most palatable and really curative.

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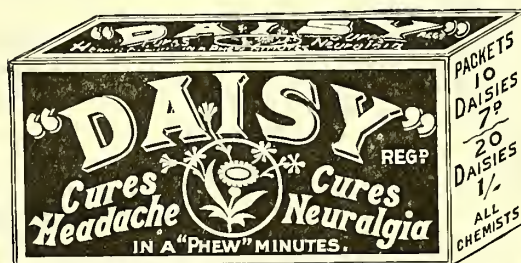
A booklet on the counter and the
Food sells itself.

Minimum retail price, 1/6, 3/-, 6/-.

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12 & 13 Henrietta St., London, W.C.

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ADVERTISE!!
ADVERTISE!!!



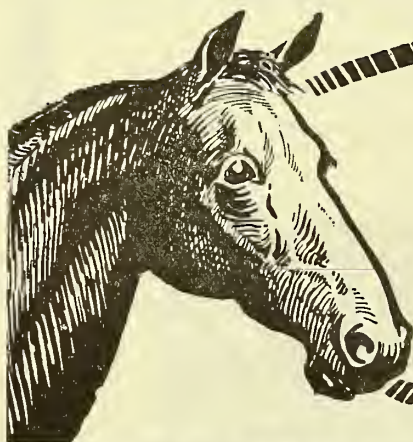
The 'DAISY' mutual handbills enable you to advertise your own Specialities at little cost.

They advertise 'DAISY,' too, and thus increase your sales of an exceptionally profitable line.

It pays you to sell 'DAISY.' It pays to use our mutual bills. May we send you samples and price list?

A POSTCARD TO:

DAISY, Ltd., Mammoth Works, **LEEDS.**



**IT PAYS
TO STOCK AND PUSH
HARVEY'S
GREAT REMEDIES
FOR THE HORSE.**

Now on the P.A.T.A.
GENEROUS PROTECTED PROFITS.

We invite Chemists interested in the sale of

AGRICULTURAL AND HORTICULTURAL PREPARATIONS

to apply to us for our VAPORITE PRICE LISTS No. 39 and the trade terms which we offer for the sale of VAPORITE.

VAPORITE

1. Is the most important Agri-Horticultural discovery of this generation.
2. Commands the largest sale of all soil insecticides.

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By Appointment



to H.M. the King.



Official Reports show that routine
disinfection with

**Jeyes' Special Fluid
— Cyllin —**

**banishes school epidemics and thereby greatly
increases school grants.**

With a view to the prevention of infectious disease the Bucks Education Committee had the floors of 25 schools sprinkled nightly during the past twelve months with a solution of Jeyes' Special Fluid, the attendance in these schools being compared with that of the remaining schools in which the process was omitted.

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IS THE REGISTERED TRADE MARK OF

John's Condition Powder ... FOR ... Horses & Cattle.

The demand is growing rapidly—purely on merit. Breeders, exhibitors, and employers of horses know its value.

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The preparation is offered to Chemists in the United Kingdom on exceptional terms—no risk, no restriction. It is being advertised largely in the leading agricultural, sporting, and society journals, as well as the leading provincial newspapers. It bears a good profit. Advertising matter free.

UNSOLICITED Testimonial received September 20 :—

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London.

September 6, 1909.

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We shall try the Powder in Shetland and Orkney.

R. Sandison & Co., Merchants,
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Yours very truly,
(Sgd.) R. SANDISON & CO.

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TERPENELESS, CONCENTRATED
non-clouding ESSENTIAL OILS.
HEINRICH HAENSEL'S
Unequalled Speciality.**THE RAT WAR!!!**
FARMER'S "BAITED" PHOSPHOR PASTE
Sells well. Good Profits. **TO THE FRONT.** Mixed perfectly
by special process.FULL PRICES, viz.:—3d., 6d., 1s., obtained at 1s. 5d., 2s. 10d., 5s. 8d. dozen.
ONCE USED, ALWAYS.
AGENTS: May, Roberts & Co., Barclays, Edwards, Sangers, Butler & Crispe,
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6/6 doz. 18/- doz. 34/- doz. 120/- doz.

Discount 5 per cent. on £10 worth for cash.

Showcards on Application.

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TRADE MARK 125 NEW NORTH ROAD, LONDON, E.

ANTI-OPIUM CURE.**COMBRETUM SUNDAICUM**

Supplies from (or CHONG HING).

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ASHFORD, MIDDLESEX, ENGLAND.

KRUSCHEN SALTS,produced by evaporation from the celebrated mineral springs. A perfect diuretic
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New Illustrated Price List on application.

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10 x 8 ...	4/1	12 x 10 ...	5/3
12 x 6 ...	4/-	14 x 8 ...	5/-
12 x 8 ...	4/5	14 x 10 ...	5/11

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Manufacture all foods for above.

Established 1859.

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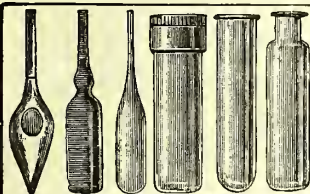
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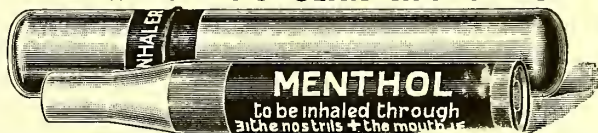
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"THE BRITISH MEDICAL JOURNAL,"
October 16, 1909.

DIAMALT WITH COD LIVER OIL.

We have received from the British DiaMalt Co., 11 and 13 Southwark Street, London, S.E., samples of two combinations of malt extract with cod liver oil, which they have recently put upon the market. These are stated to consist of cod liver oil and malt extract only, with neither flavouring ingredients nor preservatives, and to contain respectively 15% and 33½% by weight of the oil, or, approximately, 20% and 42% by measure.

Our analysis of the two samples gave the following results:

	No. 1.	No. 2.
Cod Liver Oil	15'3 %	33'6 %
Maltose	59'6 %	57'9 %
Diastatic Power of the extract, in terms of the B.P.C. test	671	455

Notwithstanding the large proportion of oil present, its taste was most effectually disguised by the malt extract, and both preparations were very palatable; the absence of aromatic essential oils, such as are sometimes used to mask the flavour of the oil, must also be regarded as an advantage. Both samples were of quite thin consistence, and should be acceptable even to those who find viscosity and stickiness as repellant as the undisguised taste of cod liver oil. Either of them readily forms a milky emulsion when shaken up with water.

Sold on P.A.T.A. Rules.

THE BRITISH DIAMALT CO., 11 & 13 Southwark St.,
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The finest Australian Eucalyptus Oil in the world contains

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and if you want the finest insist upon the Eucalyptol content being not less than 80%. You can only get it for a short time.

SO BUY NOW.

Eucalyptus Oil distilled during the next few months gradually decreases in Eucalyptol content, and that distilled during

JANUARY TO APRIL FALLS OFF 20%.

We offer the finest Oil 80-84 % Eucalyptol
in 10 lb. free tins @ 1/9 per lb.; 28 lb. free tins @ 1/6 per lb.; 56 lb. free tins @ 1/5 per lb.
Carriage Paid.

JULES DENOVAL & CO.

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Sole Agents for THE TASMANIAN EUCALYPTUS OIL CO., LTD.

PHARMACY FOR THE PHARMACIST

Have you received the U.C.A.L. Prospectus ?

The United Chemists' Association is a Union of British Pharmacists organised to preserve the business of Pharmacy against exploitation, and to ensure more trade and better profits to the members.

The Promoters are Pharmacists, the nominees of a Meeting of Pharmacists from all parts of the country.

U.C.A.L. is a business proposition, initiated, formed and devoted entirely to the interests of Retail Chemists.

Membership is open to Pharmacists **ONLY** and as **NO OUTSIDE CAPITAL** is permitted, **ALL THE PROFITS** of the Company go into the pockets of the Chemists who earn it.

U.C.A.L. is a genuine Co-operative movement and cannot be confused with those undertakings who masquerade as philanthropists, doling out skim milk as so-called "Dividends, Bonus, Percentage on Profits, &c." to their customers, whilst reserving the cream to enrich the one or two large holders of the Capital.

Momentous issues depend on the success of U.C.A.L.—surely the best and **ONLY** organised and determined effort ever made to jointly and adequately fight the multiple shop evil, &c. demands the support of every Pharmacist in business.

U.C.A.L. will be **YOUR** Business; U.C.A.L. goods, **YOUR** goods; U.C.A.L. profits, **YOUR** profits; and the management and every action of U.C.A.L. will be controlled entirely by the Members.

The Prospectus is now being posted to every Retail Chemist in Great Britain. Copies may be obtained from :

The SECRETARY, Vulcan Chambers, St. James Street, Sheffield.

or from the following Directors :

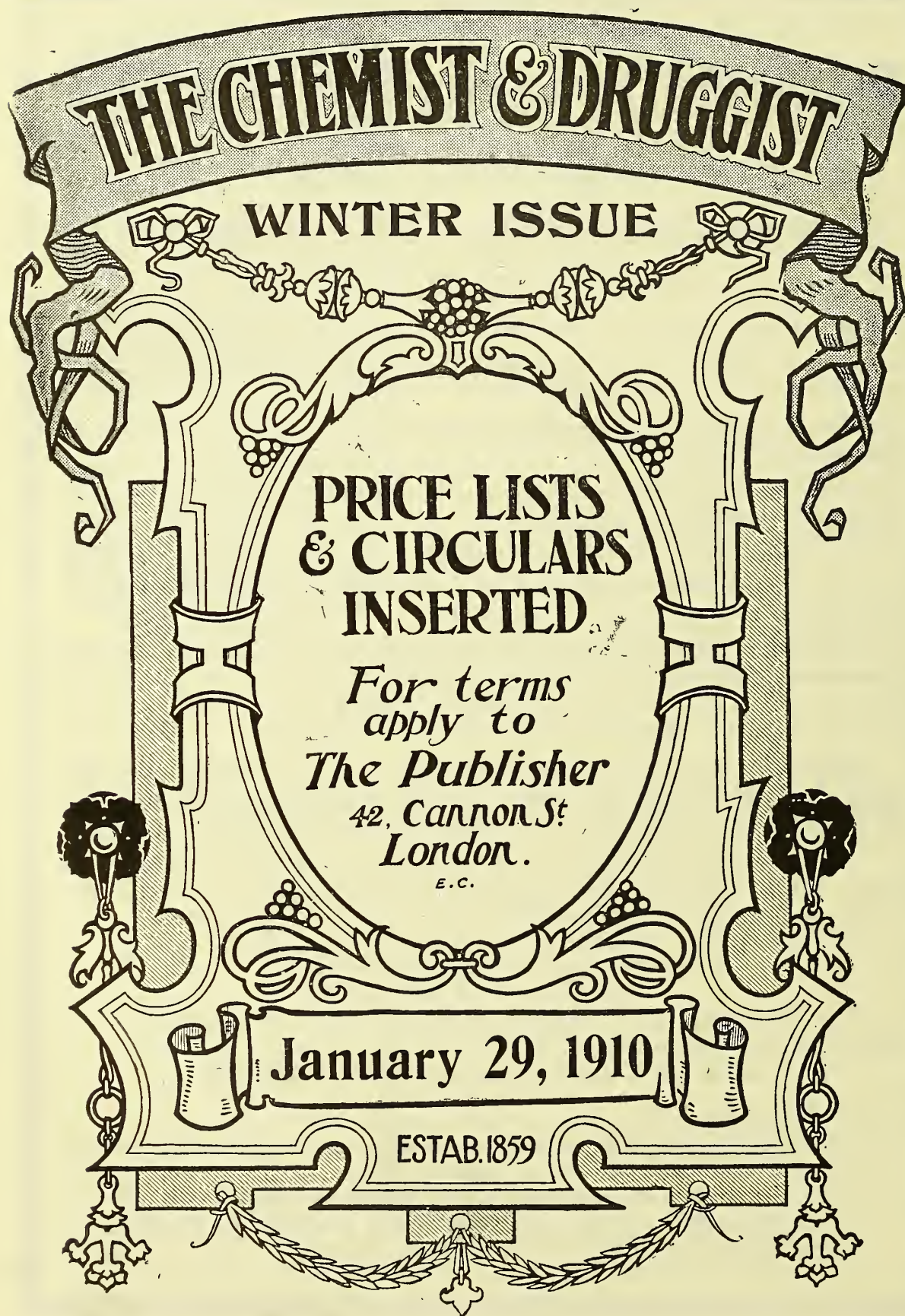
HAROLD MILLER, Pharmacist, 389 High Street, Cheltenham.

C. C. H. CADGE, Pharmacist, Bingham, Notts.

A. E. BOLSHAW, Pharmacist, 37 White Rock, Hastings.

J. GILBERT JACKSON, 338 Abbeydale Road, Sheffield.

L. MORETON PARRY, 163 Oakfield Road, Liverpool.



A WARNING TO THE TRADE.

'MASSOLETTES'

The Health Milk Bonbon.

The above word is our registered Trade Mark, the "Health Milk Bonbon" our descriptive title. As we hear there are copies of the original on the market, we take this opportunity to warn pharmacists against colourable imitations thereof.

Apart from any legal offence, we would remind chemists that we have restricted the sale of the article to pharmacists and the medical profession, we absolutely refusing to execute the numerous orders we have received from confectioners, &c.

Arthur H. COX & CO., Ltd.
BRIGHTON.



Fairchild Bros. & Foster included in a complete representation of their digestive and nutrient products specimens of 'Holadin' and Bile Salts, $2\frac{1}{2}$ grains of the former and $\frac{1}{2}$ grain of the natural salts of ox-gall in a capsule. We picked up from this exhibit booklets of diet-tables and instructions for infant-feeding which doctors give to their patients, and pharmacists also should find them useful for special customers.—THE CHEMIST AND DRUGGIST.

Fairchild Bros. and Foster are manufacturers of the well-known 'Fairchild' brand products, and have an artistically-decorated stall, festooned with ferns and smilax, and draped with light blue and purple. The 'tout ensemble' is most effective. Two massive show jars of their leading specialty 'Panopepton' meet the eye in the centre of the stand. Amongst the Fairchild products 'Panopepton' takes a prominent place. It is a preparation presenting the entire nutritive values of prime lean beef and best wheat flour in a perfectly soluble, diffusible and absorbable form. In the feeding of the sick this palatable preparation reveals great possibilities. It greatly aids recovery in illness due to impairment of the digestive functions, and many excellent results have been achieved from its use in infantile diarrhoea and summer ailments. 'Pepsencia' is another standard product of this firm, and is like all their preparations, a model of what fine pharmaceutical specialties should be. It is described as a solution of the essential organic ingredients of the gastric juice extracted directly from the peptic glands of the stomach. It is now recognised as the most valuable of pepsin preparations. In indigestion, as a means of administering drugs disturbing to the digestive functions, and for the preparation of junket and whey as food for both adults and infants it stands pre-eminent. Messrs Fairchild are justly proud of that standard preparation, Peptogenic Milk Powder, valuable for the making of fresh humanised milk in the home. With cows' milk it closely approximates to the composition of the mother's milk, and is equally digestible for the nutrition and development of the nursing infant. Lecithin is maintaining its reputation as a nerve food, and is now an established remedy in neurasthenia. Other preparations of especial use in the treatment of digestive disorders are 'Holadin,' and 'Holadin and Bile Salts,' 'Pepules,' ox gall compound with Zymine, and Diazyme, a palatable and efficient pancreatic essence. Pepsin in scales and powder are still standard preparations for the dispensing chemist.—The B. & C. D.

Physicians and 'Fairchild'

have been intimately associated for many years. Some of our latest products were shown at the Medical Exhibition.

*Read the
opinions of
the trade
press.*

**Fairchild Bros.
& Foster,**
NEW YORK.

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LONDON, SYDNEY, CAPE TOWN.



'Vaporole' Inhaler in use

TRADE MARK 'VAPOROLE' BRAND

Ammonium Chloride INHALER

SIMPLICITY ITSELF

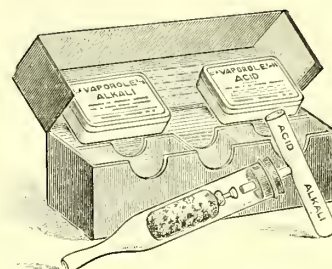
An efficient inhaler in its simplest and most portable form.

Instantly fitted together and easily charged.
Delivers volumes of fresh neutral vapour.

Acid and Alkali are supplied as 'Vaporole' Products—hermetically-sealed friable glass containers, which preserve the contents in a fresh and active condition.

The illustrations show the extreme simplicity, convenience and compactness of the 'Vaporole' Inhaler.

It is a great improvement on the old-fashioned box of bottles of solutions and perishable tubing. With the 'Vaporole' Inhaler there is absolutely no waste.



'Vaporole' Inhaler
Complete Outfit
Measurements: $6 \times 2\frac{1}{4} \times 2$ in.
(Closed)

Price 5/0 each, subject.

*Refills of 'Vaporole' Acid and 'Vaporole' Alkali are supplied in
aluminised tins of 12.*

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NEW YORK MONTREAL SYDNEY CAPE TOWN
MILAN SHANGHAI

Emulsion of Pure Cod Liver Oil with Hypophosphites.

We have this season introduced

A NEW CARTON

in strong colours and of striking design.



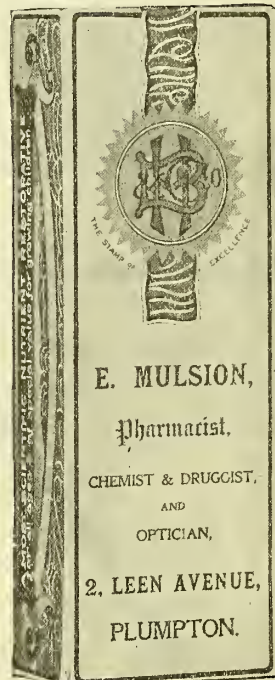
It makes a most effective display which keeps THE VENDOR'S NAME well before the buying public and sells the article at sight.

This Emulsion is in all respects the same as supplied with so much acceptance by our Barron Harveys & Co. Branch for many years.

It keeps indefinitely, is of pleasing flavour and most digestible.

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6 " " " " 6/- " " 5/9 " " 5/6 " "	7/6 " " 7/3 " " 7/- " "	-/6 " " 1/- " "	1/- " "
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and of
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ESTABLISHED 1859.**

THE CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by seventeen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

Subscription Rates.

Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemists' and Druggists' Diary* next published. Subscriptions may begin any month. Single copy, 6d.; Summer or Winter Number, 1s. *Diary*, 8s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12-60 francs, franco.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Precio de suscripción anual: el periodico una vez por semana, y el agenda una vez por año, 12-60 pesetas, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

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ONLY SEVEN DAYS MORE.

THE Publisher has finally arranged with the printers to close down *The Chemists' and Druggists' Diary*, 1910, for press by

November 6.

Printing will be begun forthwith, and by the Friday following the *Diaries* will be ready for binding. This will be completed in time to catch the mails for Australasia and the Far East for delivery there in December.

Our subscribers, even in the most remote parts of the world, will therefore have the *Diary* in their hands by Christmas, and will thus be able to begin the New Year fully equipped for business.

Firms who have not yet secured space in this unique business-bringer must therefore write at once to

The Publisher,
42 Cannon Street,
London, E.C.

Telegrams:
"Chemicus London."

Telephone:
852 Bank (two lines),

Summary of the Week.

Articles and Communications.

The trade of India is the subject of an article on p. 678, in which details are given of exports and imports.

We are able to give full particulars about what the International Opium Commission's report says about morphine (p. 677).

Dr. Dobbin communicates the results of the last Corner for Students' Competition. The prizes go to Mr. R. C. Crawford (Newcastle) and Mr. W. H. Lightbown (Tynemouth) (p. 662).

Our correspondence is interesting, letters dealing with topical subjects, including suggestions to have the retail prices of methylated spirit protected, to raise the prices of most-cut "patents," and for retail chemists to be more enterprising (p. 693).

In a note on chemists' assistants' hours we show exactly how Mr. Gladstone's Shops Bill would affect them, by securing on one hand a sixty hours' week (as a rule) and enabling them to serve medicines after closing hours without conviction of employers (p. 679).

In regard to Section 2 licenses, we print numerous letters from chemists criticising the Pharmaceutical Council's inactivity (p. 692). "Xrayser" rather defends the Council's waiting attitude, thinking that there must be sound reasons for not supporting Mr. Lord Gifford (p. 675).

Our first editorial is on the decision of the Divisional Court of King's Bench to the effect that it was wrong for the St. Helen's County Court Judge to convict an unqualified person for describing his shop as a "Pharmacy." The Pharmaceutical Society is to appeal against the decision, but as the principle followed has been quite recently laid down by the Court of Appeal, there seems little chance of success (p. 676).

News of All Kinds.

The Mendeléeff lecture by Dr. W. A. Tilden is reported on p. 680.

Mr. Joseph Beecham has joined the directorate of A. & F. Pears, Ltd. (p. 675).

The new German regulations for the use of alcohol in industries are epitomised on p. 667.

Formulas for colours and flavours by Mr. J. Gartside (Oldham) are given on p. 685.

The Association attitude that Mr. Granville Shaw and our poet depict this week is the genial mood (p. 684).

Military Pharmacists was the chief subject discussed by Thames Valley chemists on Wednesday evening (p. 685).

The Pharmaceutical Council is thinking of revising the Poison Schedule. Uttoxeter chemists register sales of lump diachylon (p. 687).

An amendment to the Finance Bill has been placed on the papers providing for the exemption from motor-spirit licence of retailers of benzine (p. 674).

The "Perfection" soap mark has been before the Court of Appeal this week, Messrs. Crosfield appealing against Mr. Justice Swinfen Eady's judgment (p. 670).

The White Cross Congress for the suppression of adulteration of foods and drugs, which was held in Paris last week, has been successful. We complete our report (p. 681) and discuss the effects of the resolutions come to (p. 677).

Two companies have been formed to supply chemists with specialties—"Ucal," which is promoted by retailers, and "Cupal," which is to take over the business of Woolley's, Ltd., Blackburn. Particulars are given on p. 672.

Mr. Glyn-Jones's candidature for Parliament finds the trade in a curiously mixed attitude as to supporting him. See the Winter Session reports (pp. 684-7). Mr. Burroughs, President of the P.A.T.A., has appealed for support to him (p. 644).

Trade Matters.

There is a steady undercurrent of business, but the high Bank rate checks any speculative movement. Opium has scored another advance, and the alkaloids are much dearer. Glycerin is 5s. dearer. French lavender oil, lead salts, and menthol are firmer. On the easier side are bergamot oil, cream of tartar, shellac, and ammonia sulphate (p. 689).

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

REPORTS.

THE powder distributed to students on September 29 consisted of equal parts by weight of zinc hydroxy-carbonate, ferrous sulphate, and ammonium aluminium sulphate (ammonia alum). The calculated composition of such a mixture is—

Zn	...	...	...	...	...	...	19.1
Fe	...	...	...	...	...	...	6.7
Al	...	...	...	...	...	...	2.0
NH ₄	...	...	...	...	...	...	1.3
CO ₂	...	...	...	...	...	...	5.8
SO ₄	...	...	...	...	...	...	25.6
OH	...	...	...	...	...	...	6.6
H ₂ O	...	...	...	...	...	...	32.8
							99.9

The powder also contained, as impurities, traces of manganese and of calcium.

Samples of the powder were distributed to thirty-four students, and twenty reports were sent in for examination. The presence of iron was recognised by all who sent in reports, and the failures in the detection of the other constituents of the powder were:—(a) Metallic radicals: Zinc, 2; aluminium, 7; ammonium, 5. (b) Acid radicals: Carbonic, 1; sulphuric, 2. No fewer than seven students failed to report the evolution of water when the powder was heated in a dry test-tube, although it gave off more than one-third of its weight of water when so heated. The traces of manganese and of calcium were each detected by only two or three students.

While this exercise was of a simple character, on the whole, there were a few points which demanded some delicacy of treatment. The detection of aluminium hydroxide when present in small quantity and mixed with other hydroxides, etc., in an iron-group precipitate, always necessitates careful procedure. After any aluminium hydroxide which may be present has been separated, by whatever method, from the other constituents of the precipitate, it is a customary practice to precipitate the hydroxide itself from an acid solution by the addition of excess of ammonia or from an alkaline solution by boiling with excess of ammonium chloride. When the total amount of precipitate obtainable is small, there is considerable probability of its being unobserved in either case, partly on account of its own inconspicuous translucent character and partly because of its quite appreciable solubility in any considerable excess of ammonia. Care should be taken, therefore, to boil off the excess of ammonia before concluding that no precipitate has been formed. Even this treatment does not necessarily ensure the formation of a permanent precipitate of aluminium hydroxide, since there is another possible source of error. When a neutral solution containing ammonium chloride is boiled for a length of time, slight loss of ammonia takes place through some of this gas passing off along with the water vapour, while the liquid which remains becomes slightly acid; hence there is the risk of a small precipitate of aluminium hydroxide which made its appearance as the original excess of ammonia was boiled off, becoming dissolved again, after too prolonged boiling, by the hydrochloric acid formed in solution. The lesson of these facts is that solutions which are being boiled to drive off ammonia, in order that aluminium hydroxide may be precipitated, should be

observed at very frequent intervals so that the temporary separation of a small precipitate may not be overlooked.

The powder contained a small, but distinct trace of calcium, as impurity. This was not indicated, as a rule, by the formation of a precipitate on adding ammonium carbonate; and, later, when ammonium phosphate was added, a slight precipitate of calcium phosphate was obtained, which was attributed by some students to the presence of a trace of magnesium, although the precipitate was flocculent instead of crystalline. This mistake would have been avoided if ammonium oxalate had been added after the ammonium carbonate, and the mixture had been boiled and filtered (to remove calcium oxalate) before the test for magnesium was applied.

In several cases the iron was reported to be present as a ferric salt. By the time the powder reached our correspondents, change from ferrous to ferric had, no doubt, begun, but the bulk of the iron was still present as ferrous salt with little more than traces of ferric.

When the powder was gently heated in a small dry test-tube, or other narrow glass tube closed at one end, ammonia was evolved, along with water vapour. This was observed by a few students, and it gave early indication of the presence of an ammonium compound, but as the quantity present was small, somewhat careful observation was called for. At a later stage in the heating, sulphur dioxide was evolved abundantly, but was not very generally recognised. While the quantity of ammonia liberated was small, the powder yielded, as already stated, more than one-third of its weight of water when gently heated, and the failure of 35 per cent. of our correspondents to note the evolution of this water is a remarkable fact and one which shows that, very commonly, close enough attention is not paid to the indications obtainable in this way. We refer specially to this simple test on the eve of the analytical tournament because of the very varied usefulness of the information that may be obtained from it by the student possessed of the seeing eye and the perceiving senses generally; and we wish, at the same time, to direct the attention of students to the detailed articles bearing upon the subject which were printed in the *C. & D.* for July 10 and 17 of the present year, at pages 38 and 70.

PRIZES.

The First Prize for the best analysis has been awarded to ROBERT C. CRAWFORD, c/o F. R. Parker, Pharmacist, 130 Westgate Road, Newcastle-on-Tyne.

The Second Prize has been awarded to W. H. LIGHTBOWN, 7 Albany Park Road, Tynemouth, Northumberland.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. Correspondents who are unqualified:

Robert C. Crawford (1st Prize)	...	...	...	...	Victor	...	...	...	89
W. H. Lightbown (2nd Prize)	...	...	...	97	Validol	...	...	...	84
Blink Bonny	...	...	...	94	Astolat	...	...	...	83
Neptunia	...	...	...	94	Pharmacy	...	...	...	79
Eborlance	...	...	...	92	Ego	...	...	...	65
Litmus	...	...	...	92	Xtal	...	...	...	65
Dido	...	...	...	90	Adrenalin	...	...	...	64
					Vol	...	...	...	31
					Erimus	...	...	...	28

2. Correspondents who are qualified:

Cobalt	...	...	...	95	Radium	...	...	...	74
Keiro	...	...	...	95	Xerxes	...	...	...	88

TO CORRESPONDENTS.

ROBERT C. CRAWFORD.—Your report might have gained full marks if you had detailed the evidence indicating the absence of several acid radicals.

BLINK BONNY and ASTOLAT.—It will be a great convenience if you will, in future, fill up and affix to your report the printed envelope in which the powder is sent to you.

NEPTUNIA.—It is not stated in your report that you boiled your solution with nitric acid to convert iron into the ferric condition prior to adding ammonium chloride and ammonia to precipitate the iron group. This procedure should not be omitted.

EBORLACE.—The precipitate which you supposed to be ammonium magnesium phosphate no doubt consisted of calcium phosphate, and was flocculent instead of crystalline. Traces of calcium should be tested for by means of ammonium oxalate, and removed, if present, before testing for magnesium.

LITMUS.—We doubt if the precipitate you supposed to be ammonium magnesium phosphate would have exhibited any trace of crystalline appearance if you had examined it by aid of the microscope or of a good pocket lens. Read the reply immediately preceding.

DIDO.—Apparently you did not note—in any case you do not mention—the abundant evolution of water when the powder was heated in a dry tube.

VICTOR.—We were not able to obtain any reaction for potassium by means of the test you applied. Read also the replies to "Eborlace" and "Litmus."

PHARMACY.—You will perceive from the composition of the powder that a trace of manganese was indeed present, but zinc was present in considerable proportion and ought not to have been overlooked. Crum's test for manganese is so delicate that even minute traces yield quite a distinct indication.

EGO.—Note that potassium ferrocyanide is not a suitable reagent to distinguish zinc and manganese solutions, as both sets of salts yield white insoluble ferrocyanides.

XTAL.—You report "nothing noticeable" when the powder was heated in a dry test-tube; whereas at stages in this test others noticed change of colour and the evolution of water, ammonia, and sulphur dioxide, and were led thereby to useful and correct conclusions. On the other hand, you were one of the few who reported the production of a slight cloudiness when hydrogen sulphide was added to the hydrochloric-acid solution of the original powder; but this cloudiness you rather feebly "ignored," instead of seeking for an explanation of it. Note that the production of a white precipitate on the addition of ammonium hydrosulphide to an ammoniacal solution is in itself good evidence of the absence of nickel or cobalt.

VOL.—You will find a repetition of this analysis, with a mixture made up in imitation of the powder sent to you, a useful and instructive exercise, as it will enable you to put a correct interpretation on some of the reactions which you have misinterpreted.

ERIMUS.—The powder was partially soluble in water, and should have been so described; to describe it as "insoluble" was inexact and betrayed insufficient examination or a careless mode of expression. Read also the reply to "Vol" and the first sentence of the reply to "Xtal."

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

BOOTS, LTD. are opening new premises in South Street, Romford.

MR. R. FLETCHER, chemist and druggist, has purchased the business at 209 Oldfield Road, Salford, Lancs, lately owned by Mr. A. H. Bullock.

TAYLOR'S DRUG CO., LTD., have closed their branch establishment at 410 Holloway Road, London, N., and transferred the stock to 26 High Holborn, W.C.

MESSRS. FAIRCHILD BROS. & FOSTER have removed their London offices from Bath House, Holborn Viaduct, to Albert Chambers, 64-65 Holborn Viaduct, E.C. The new offices are more spacious, and are on the first floor of the Chambers.

MR. H. W. HERBERT, of Egham, has opened a new branch at Englefield Green, which has been fitted by Messrs. Sangers, 258 Euston Road, London, N.W., who have also fitted the new pharmacy opened by Mr. W. C. Blayney at Stanmore.

English and Welsh News.

Local newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

BREVITIES.

Alderman Joseph Beecham, J.P., of St. Helens, has subscribed 250 guineas to the Providence Hospital extension fund.

The winter examinations of the British Optical Association will be held at the University of London, Imperial Institute, S.W., on November 24 and 25 (follow-ship grade) and December 1 and 2 (dioptric grade).

Mr. W. Standing, chemist and druggist, and **W. H. Lomax**, pharmaceutical chemist, have been appointed on the "Things to Use" Committee of the Darwin window-dressing competition (*C. & D.*, October 23, p. 630).

According to the Paris correspondent of the "Standard," petroleum spirit under the name of "antiseptic" is constantly used by Parisian hairdressers as a dry shampoo and no accidents have occurred.

An apparatus has been constructed by Professor Leonard Hill, of the London Hospital, for the purpose of demonstrating that the inhalation of oxygen directly increases the muscular power.

The trustee of **Mr. W. James**, chemist and druggist, Cowell Street, Llanelli, intimates that after realising the estate there is sufficient left to pay creditors a first and final dividend of 9½d. in the pound.

The Northwich correspondent of the "Financial Times" states that the Salt Union purpose erecting an electrical power station and large salt and chemical works at Weston Point, Cheshire, where the manufacture of caustic soda and bleaching-powder will be undertaken.

Louis John Islip was brought up at the Middlesex Sessions on October 27 on the charge of obtaining money and goods by false pretences (see *C. & D.*, October 2, p. 529). The indictment contains fifty-two counts. The case was adjourned.

A Fulham man named **Wilkins** was charged at the West London Police Court on October 25 with endangering the life of his sweetheart by causing her to take red precipitate. It was stated that prisoner had also agreed to take some of the poison. He was remanded.

Some doubt having been expressed as to the meaning of the Arts regulations referring to the English subjects at the London University examinations, a supplementary regulation has been issued. These are held by some head masters directly to contradict the previous regulations.

A correspondence has been going on in the "Morning Leader" regarding the establishment of a national control of the sale of disinfectants. **Mr. W. Newton Drew** (Messrs. Newton, Chambers & Co., Ltd.) and **Mr. T. A. Cook** (Messrs. Edw. Cook & Co., Ltd.) have taken part in the discussion.

Referring to the establishment of the United Chemists' Association, Ltd., the "Lincolnshire Echo" states that "should the co-operative principle indicated be introduced among chemists on a large scale it will undoubtedly strengthen their position in regard to the sale of ordinary proprietary articles."

Some of the London newspapers, referring to the employment of sulphurous acid in wines, which was discussed at the White Cross Congress last week, make it appear that sulphuric acid is the acid concerned. The "Daily Express" has a column article by **Mr. C. Hyatt-Woolfe** on "Food and Drink Frauds," in which the author is made to refer several times to sulphuric acid in wine.

The Metropolitan Asylums Board decided at the meeting on October 23, on the recommendation of the Contracts Committee, to apply to the Local Government Board for continued authorisation for the contract for the supply of drugs to be given to the Society of Apothecaries without sealed tenders. It was stated that a year's working of this arrangement had been satisfactory.

Dr. F. W. Hewitt opened a discussion at the Royal Medical Society's meeting in London, on October 25, on the need for legislative control of the use of anæsthetics. He

explained the causes of the draft General Anæsthetics Bill. He contended that restricting the administration of anæsthetics to medical men would benefit the dental profession, as it would strike a decisive blow at unqualified dental practice.

Lectures on Essential Oils.

In the third lecture of the course at the Borough Polytechnic Institute, Mr. C. T. Bennett described the methods of determining melting and boiling points, and the separation of the various constituents of essential oils by fractional distillation. Fractionating-columns were shown, and the necessary apparatus for distilling under reduced pressure was described. Solubility tests were then dealt with, and their use in detecting gross adulteration. The determination of acid, ester, and saponification numbers was briefly explained.

Dispenser's Extra Services.

St. John's Road Workhouse Committee reported at the meeting of the Islington Guardians on October 21, that Mr. R. W. Lindsey, dispenser, had applied for payment for extra services rendered. He was appointed about three years ago as dispenser for the St. John's Out-door Dispensary, at the scale salary of 120*l.* per annum, rising after four years to 140*l.* per annum, and then by 10*l.* every four years to 180*l.* His predecessor also received, in addition, 20*l.* per annum, with dinner daily, for the indoor dispensary work. A year ago the Guardians proposed to allow to Mr. Lindsey the same addition, but the Local Government Board would not sanction this, as they only allow one salary, and on the same scale, for whatever work may be assigned to the dispenser who devotes his whole time to the performance of his duties. They, however, agreed to Mr. Lindsey being put on the new scale, which is that after four years the dispenser is to rise by 10*l.* every two years from 140*l.* to 180*l.* per annum. Mr. Lindsey now submitted a statement showing that the number of prescriptions dispensed from January 1 to September 14 in 1905 was 13,595, and for the same period in 1909, 19,262. The committee considered that some recognition should be made for the large extra work, and recommended that Mr. Lindsey be paid the sum of 10*l.* for the extra services, subject to the approval of the Local Government Board. This was agreed to.

Chemists as Public Men.

The following have been re-elected Councillors or are candidates at the November elections:

Mr. J. Birkett, chemist and druggist, of Morecambe (re-elected).

Mr. J. Kershaw, Crystal Dye-works, Blackburn, is contesting St. Peter's Ward.

Mr. William Adams, pharmaceutical chemist, 30 High Street, Shrewsbury (re-elected).

Mr. John Appleyard, Heaton, chemist and druggist, is a candidate for Trinity Ward, Burnley.

Mr. R. P. Rees, chemist, Merthyr, has been re-elected a member of the Council of that borough.

Mr. Robert Charles Herman, chemist and druggist, 11 Moss Lane, Walton, returned unopposed for the Warbreck Ward, Liverpool.

Councillor T. L. Hollely, pharmaceutical chemist, Mayor of Retford, is one of the retiring Councillors in the West Ward, and is offering himself for re-election.

The municipal election campaign is now in full swing at Sheffield. Commenting on the contest in the Crookesmoor Ward, the "Sheffield Daily Telegraph" says that Councillor Russell Fox, M.P., is regarded as being far the strongest of the three Councillors for that Ward. Councillor Fox is not in the contest this year as a candidate, but he is in the thick of the fray in the interests of the retiring colleague.

Petroleum Committee.

A further meeting of the Departmental Committee on Petroleum was held at the Home Office on October 25. Mr. G. Calthrop, of the Caledonian Railway, thought the present railway regulations sufficient for the safe carriage of petroleum spirit. Mr. A. Palk, of the Anglo-American Oil Co., said he would be favourable to any scheme which would prevent the public using motor-spirit for dry-cleaning and

hair-dressing, and would be in favour of limiting the supply of spirit to private persons to a pint or half a pint, with a view to the prevention of such accidents. He considered that it should be illegal for hairdressers to clean ladies' hair with petroleum spirit, and that they should be compelled to find some substitute for it. After discussing various safety devices, which he considered unnecessary and impracticable, he suggested the formation of a committee consisting of members of the central authority and the trade, which could meet and discuss new regulations or modifications of existing regulations.

Curiosities of the Sale-room.

Among a number of lots which were disposed of on Tuesday in a well-known sale-room in the West-end was a parcel of old Japanese scales, with eight curious weights, used by an old apothecary, and so made as to take to pieces and pack in drawers when travelling through different villages. Other items were a Japanese doctor's staff of office, in the shape of a sword; three rare Indian glass charms against sickness; and an old Chinese invalid's feeding-funnel, beautifully carved out of a rhinoceros-horn.

Unwelcome Customers.

On October 22 a heifer entered the shop of Mr. J. C. Coles, pharmaceutical chemist, Market Place, Chippenham, and although it walked behind the counter the only damage done was the smashing of a pane of glass at the doorway.

On October 23 a bullock entered Houghton's Drug-stores, St. James's, Norwich, but was induced to leave without doing any damage. The animal lifted a syphon of soda-water with its mouth, and dropped it among others standing on a table.

Police-court Cases.

Thomas Tierney, who was last week (*C. & D.*, p. 630) committed for trial on a charge of stealing a camera belonging to Loveitt & Bones, chemists, Coventry, was at the Quarter Sessions on October 21 sentenced to three months' imprisonment in the second division.

At West London Police Court on October 23, Samuel Fisher, Liverpool Street, Islington, N., described as a chemist, was charged, with two other defendants, with attempting to pick pockets at the White City, Shepherd's Bush, W. It was stated on behalf of Fisher that he is a qualified chemist, possessed of private means but given to frequenting public-houses and picking up casual acquaintances, in this way becoming the associate of thieves. He was ordered to find a surety of 10*l.* to come up for judgment if called upon.

Mr. Glyn-Jones's Parliamentary Candidature.

The October number of the "Anti-cutting Record" contains a letter from Mr. G. H. Burroughs (Liverpool), President of the P.A.T.A., regarding the candidature of Mr. Glyn-Jones, Secretary of the Association, for Parliament. In the course of it he says:

"It appears to me right that the members of the drug-trade should copy the example of the teachers in the public elementary schools, who have largely benefited by their foresight in assisting into the House such men as Dr. MacNamara and Mr. Yovall. The teachers of all parties subscribe to the fund which secures to them direct Parliamentary representation. The P.A.T.A. and its friends will be gratified by the fact that the Pharmacists' Representation Committee have selected their Secretary as a suitable candidate, and it is obvious that the interests of the P.A.T.A. are benefited if its Secretary is also a member of Parliament. I am sure there are many members of the P.A.T.A. who will be pleased to subscribe towards the expenses connected with Mr. Glyn-Jones's candidature, and I shall have pleasure in receiving subscriptions and in handing them over to the Parliamentary Fund, earmarked for this particular purpose. If there is one man whose candidature among members of the P.A.T.A. will command support it is that of our Secretary, and as a Conservative I specially appeal to all members to sink their differences as regards Mr. Glyn-Jones's politics and give him their utmost support, bearing in mind that he is pledged on all possible occasions to further the interests of pharmacy."

A subscription-form is supplied to the P.A.T.A. members.

Bow Bells Bonus Night.

The employees of Messrs. Edward Cook & Co., Ltd., Bow, were on October 23 entertained to a tea and social evening, during which the bonuses for 1908 were distributed. Mr.

T. A. Cook presided. At the close of the proceedings Mr. Hughes (Secretary) proposed a vote of thanks to the directors, which was replied to by Mr. E. Leonard Cook. Number 4 of "Ye Bowe Bells Magazine" was published to commemorate the occasion.

Birmingham Notes.

The Midland Pharmaceutical Association usually hold their Council-meeting at three in the afternoon at the University, but a new departure has been initiated by changing the time to 9 P.M.

Miss G. E. Southall, the daughter of the late Mr. W. Southall, sometime examiner in botany to the Pharmaceutical Society, has been nominated for a seat in the City Council in St. Martin's Ward.

The death of the widow of John Inglesant caused the dispersal of the furniture of the author. The table on which "one of the best historical novels ever produced" was written fetched 5*l.*, and the chair not a good price. Mr. Herbert Southall has taken the house.

Pharmacy was festive on Thursday, October 21. Dr. W. T. Elliot took the chair at the East Anglia Nelson dinner, when Mr. Marshall Freeman proposed the chief toast, and a well-known pharmacist occupied the chair at the inaugural dinner of the Society of Chemical Industry's local Section, with Dr. Davidson as chief spokesman.

Analysts' Reports.

The usual quarterly reports are now coming in, but they contain little of direct interest to pharmacists.

It was reported to the Middlesex County Council on October 28 that twenty formal samples of cream of tartar, eight of oil of sassafras, and one of vinegar had been taken, and on analysis found to be unadulterated.

The Bethnal Green public analyst examined two samples of iron powder and one of camphorated oil. The oil was genuine, but the iron powder which was being sold by a street quack as a marvellous cure-all tonic, on analysis proved to be citrate of iron, quinine, and ammonia, too weak when made up as directed to be of any use.—In Southwark eleven drugs were genuine.—In St. Pancras two samples of camphorated oil, one of flowers of sulphur, and one of glycerin were analysed, and found to be genuine.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

The Board of Public Works are inviting tenders for the supply of drugs, oils, etc., which must be sent in to the Secretary (Mr. H. Williams) before November 9.

Elinor Greer, Medical Hall, Granard, sued Anne Reilly and John Reilly at the Granard Quarter Sessions last week, for 16*l.*, damage done to the stock and contents of her shop by the entrance of defendants' cow. The Judge awarded 3*l.* damages, and 2*l.* costs.

The Newry Guardians have received a claim from the drug contractors, Messrs. Sumner, Liverpool, for 9*l.* 1*s.* 3*d.* for unreturned empties. One medical officer has complained that the contractors have made no arrangements for the packing of the empties.

At Tuam Quarter Sessions last week, Michael Kelly, Glynsk, was ordered to pay compensation, 20*l.* and 2*l.* 2*s.* costs, for causing the death of some cattle by selling sodium carbonate when asked for Glauber's salt. The plaintiff, W. Joyce, said he asked for Epsom salts, but, as defendant had none, was induced to purchase Glauber's salt, which turned out to be washing-soda.

Business Changes.

Mr. George Black, formerly of Shankhill Road, Belfast, is about to open business as a druggist in Cromac Street, Belfast.

Mr. F. A. Smyth, Antrim, has taken over the business in Larne formerly carried on by Mr. A. W. Farquhar, registered druggist.

Mr. Robert Stewart, formerly manager of the drug department of Messrs. T. & W. Reynolds, Dungannon, has opened a Medical Hall at Letterkenny, co. Donegal.

Personal.

Sir Charles A. Cameron has been elected an honorary member of the Central Irish Veterinary Association.

Mr. A. Porter, pharmaceutical chemist, Belfast, has passed the preliminary examination of the Conjoint Board of the Royal Colleges of Physicians and Surgeons in Ireland.

Mr. Henry O'Connor, pharmaceutical chemist, formerly manager of Butler's Medical Hall, Dublin, and now General Secretary of the Young Men's Christian Association, has created a mild sensation by denouncing billiards as the first downward step in the career of young men.

At the opening last week in Dublin of the winter session of the Royal College of Surgeons, prizes and medals were awarded to the undermentioned pharmacists: Practice of Medicine—First prize of 2*l.* and medal, Mr. W. Vincent Johnston; midwifery, first prize of 2*l.* and medal, Mr. F. W. Warren; pathology, second prize of 1*l.* and certificate, Mr. T. Mathers Thomson.

The National University.

In addition to the appointments made by the Commissioners under the Irish Universities Act, and referred to last week (p. 632), the following have been made: Mr. J. S. McArdle (professor of surgery), Dr. E. S. McLaughlin (anatomy), Sir Christopher Nixon (medicine), and Dr. Alfred Smith (midwifery). Mr. John J. Dowling, who has been appointed lecturer in physics, is the son of Mr. Joseph J. Dowling, of Messrs. Boileau & Boyd, Ltd., and has had a very distinguished collegiate career.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

The East Aberdeenshire Pharmacists' Association dine at Maud, on Thursday, October 28, when there will no doubt be a great run on the "Agricultural Poisons Pudding."

Mr. James Hendrick, B.Sc., F.I.C., has been appointed county analyst under the Aberdeen County Council, at a salary of 350*l.* per annum. Mr. Hendrick is allowed to hold other appointments or engage in private practice.

The report of the Northern Co-operative Co., Ltd., for the half-year which ended on August 31 has just been issued. This is the first six-monthly report, so that comparison of balance-sheets with previous years is difficult. The following refers to the dispensing and drug department:

	Turnover			Net Profit			
	£	s.	d.	£	s.	d.	
1907 ...	1,402	18	3½	402	7	3½	(one drug-shop)
1908 ...	1,237	19	2½	322	0	6	(an extra shop part year)
1909 ...	1,782	7	8½	309	18	2	(two shops)
1909 ...	1,071	12	6	218	3	2½	(ditto)

(Half-year)
From the net profit has to be paid dividend on purchase amount, viz.:

	£	s.	d.	£	s.	d.
1907... Rate 3 <i>s.</i> 1 <i>d.</i> on £1	216	5	9	leaving balance	186	1 6½
1908 .. Rate 3 <i>s.</i> 2 <i>d.</i> on £1	196	0	4	ditto	126	0 2
1909... Rate 3 <i>s.</i> 2 <i>d.</i> on £1	282	4	2	ditto	27	14 0
1909... Rate 3 <i>s.</i> 4 <i>d.</i> on £1	173	10	0	ditto	69	13 3½

(Half-year)
Out of this balance has to be paid interest on share capital at the fixed rate of 5 per cent. per annum and a proportionate share of general management expenses. The balance-sheet for the six months shows that the cash drawn at Rosemount Viaduct was 705*l.* 1*s.* 11*d.* and at Lock Street 366*l.* 10*s.* 7*d.*, for goods which cost 531*l.* 17*s.* 6½*d.*. The wages paid amounted to 185*l.* 0*s.* 1*d.* for a manager (150*l.* per annum), three assistants, and errand-boys, and trade charges (rent, etc.) were 95*l.* 13*s.* 10*d.*

Edinburgh.

Mr. J. Laidlaw Ewing (Duncan, Flockhart & Co.), has been nominated for re-election as Master of the Edinburgh Company of Merchants, and Mr. James Mackenzie, chemist, Forest Road, has been nominated for a vacancy on the Charities Board of the Company.

Mr. J. Wood Boyle, pharmacist, senior assistant to Mr. Peter Boa, pharmaceutical chemist, Morningside Drive, is to open a pharmacy shortly at 54 West High Street, Forfar.

The sudden fall in the temperature has increased the sale of cod-liver oil and malt extracts, and many pharmacists are displaying these preparations prominently just now.

Mr. W. S. Glass, Ph.C., presided at the general meeting of the Edinburgh and Leith Traders' Defence Association in the Goid Hall on Monday evening, October 25. He reviewed the work done since their last general meeting. Mr. J. A. Forret, who also spoke, stated that co-operators ought to understand that they could not receive a dividend without paying for it indirectly. In support of his assertion, he quoted one of the St. Cuthbert's Association matters: "He that would reap must sow."

The annual 53 yds. Tournament of the Swimming Section of the Edinburgh Pharmacy Athletic Club has resulted as follows:

First Round Winners.—J. Cunningham (16 secs.), F. Barrett (14 secs.), G. H. C. Rowland (12 secs.), Geo. Somerville (20 secs.), D. Hunter (14 secs.), E. O. Rowland (4 secs.).

Byes: G. Dodds (scr.), W. Paxton (10 secs.).

Second Round.—G. Somerville beat J. Cunningham, D. Hunter beat F. Barrett, G. Dodds beat E. O. Rowland, and W. Paxton beat G. H. C. Rowland.

Semi-Final.—G. Dodds beat D. Hunter by a touch, and G. Somerville beat W. Paxton by a yard.

Final.—Geo. Somerville beat Geo. Dodds by a touch in 57 secs.

A representative committee of eighteen was appointed at a general meeting of chemists and druggists held in Edinburgh last year in order to bring about a mutual understanding for the reduction of the hours of opening on Sundays. The success which has been attained in that direction has been reported from time to time in the *C. & D.*, and is regarded locally as most gratifying, suburban chemists having been induced to close either in the morning or at mid-day, and open only twice on Sundays instead of three times as formerly. Hopes are now entertained of making the new arrangement universal in the city. At a meeting of the committee held at 36 York Place, Edinburgh, on Friday evening, October 22, reports were given in as to how the movement is progressing. It was stated that the new arrangement is being adhered to, and that many chemists had expressed themselves as delighted with the extra leisure hour. The committee appointed deputations to visit again chemists in the central parts of the city with a view to securing the universal adoption of the movement.

Glasgow.

On looking over the names of aspirants to municipal honour not a pharmacist's name appears on the list.

Malt extract, cod-liver oil, and chest-protectors are the articles that chemists find most in demand at present.

Mr. W. L. Currie is recruiting in Forres, and has much improved in health since he went there a fortnight ago.

Mr. Mungo Wallace has been appointed by Messrs. Hall, Forster & Co., Ltd., Newcastle-upon-Tyne, as their representative for Glasgow and the West of Scotland.

At the meeting of the Scottish Section of the Society of Chemical Industry held in the Technical College last week, Dr. W. Carrick Anderson read a paper on the "Withering Process in the Manufacture of Tea."

Municipal Elections.

The following chemists are candidates for seats on their local Town Councils: Mr. Walter Davidson, Blairgowrie; Mr. Robert Aitken, Dunbar; Mr. Thomas Mackenzie, Inverness; Mr. Alexander Walker, Irvine; Mr. James Stewart, Kirkintilloch; Mr. W. W. Spence, Linlithgow; Mr. J. C. McCordquodale, Markinch; Mr. Samuel Lawrence, Oban; Mr. William Lyle, Rothesay; Mr. Alexander Stewart, East Linton; Mr. Robert Mathieson, Innerleithen; and Mr. John A. Gordon, Stirling.

ST. LUCIAN HONEY.—The amount of honey produced in the island of St. Lucia in 1908-9 (252 packages) was considerably below that of the previous year, but this was compensated by an appreciable and welcome increase in price, the product realising 356*l.*, as compared with 361*l.* for 354 packages in 1907.

French News.

(From the "C. & D." Paris Correspondent.)

MICROBES CINEMATOPHAPED.—Considerable interest was aroused at the Paris Academy of Sciences on Tuesday, when M. Dastre reproduced cinematographic pictures of microbes in a drop of blood, obtained by M. Commandon. These results were thought to be of some scientific value.

AN INTERNATIONAL PHARMACEUTICAL "ENTENTE CORDIALE."—The Congress recently held at Nancy by the General Association of French Pharmacists was attended by M. Valère Haazen, President of the National Pharmaceutical Association of Belgium, and several of his colleagues. During the meeting M. Haazen made an eloquent and cordial appeal to his French *confrères* "still further to extend the *entente cordiale* in studying with the greatest care the question to be brought before the 1910 International Pharmaceutical Congress of Brussels by the great professional organisation of our Dutch *confrères*," which consisted in "uniting in one international group the existing organisations of various countries."

ORGANISATION OF RETAIL PHARMACY.—The General Association of French Pharmacists now includes eight Federations, respectively representing the Centre, the East (from Lorraine to Lyons), the West (Brittany), Picardy and Champagne, the South-East (Marseilles district, including Algeria), the South-West (Bordeaux and the Pyrenees), Normandy, and the special Federation of the Eure and Seine-Inférieure Departments. Besides these eight great groups, seventeen Departmental Associations (Aube, Aveyron, Charente, etc.) retain their autonomy, one of these, the "Seine" Syndicate, including Paris, being in itself as strong as a Federation. This regional system assures the representation of every part of the country on the Council of the General Association. At each annual meeting the election of a certain number of Councillors is ratified; this year, for instance, the choice of M. Le Bail (Brest), nominated by the Western Federation; M. Berard, by the South-Western; M. Grotard, by the Association of the Nord Department; and MM. Beau and Postel, of the Seine Syndicate, was formally approved by a general meeting of the Association.

GUESSWORK DISPENSING.—A pharmacist has been fined by the Chateauroux Courts for an offence which is novel and, it is to be hoped, unique. A prescription was brought to his pharmacy which ran as follows:

1. Re-execute No. 74296, to be taken in three parts—the first immediately, the second twelve hours later, the third twenty-four hours after the second.
2. Acetate of ammonia, 10 grams; gum julep, 120 grams.
- A tablespoonful every two hours.

This prescription bore the name of a rival pharmacist, M. N—. The reference number was therefore meaningless to M. X— (the defendant). However, he made up a mixture which he declares consisted of 80 centigrams of quinine hydrobromide, 60 centigrams of analgesine, with syrup of bitter-orange peel and distilled water a sufficiency. As a matter of fact (it came out at the trial), the No. 74296 in M. N—'s dispensing-book contained 50 drops of a 1-per-mille alcoholic solution of crystallised digitalin, 60 grams of syrup of five roots, and 30 grams of water. The Court found that M. X— had committed "a grave and unpardonable fault," and that "his responsibility was seriously engaged." The patient was a man of sixty-three, and, although the substitute was not the cause of his death, the widow claimed 200*l.* damages, got 40*l.*, and the pharmacist was prosecuted, under Article 32 of the Law of Germinal, for delivering medicine without a prescription, a fine of 20*l.* being inflicted.

ALMOND-SORTING MACHINE.—The British Consul at Malaga reports that there is a very profitable future for the inventor of a machine which would sort almonds effectively, either by weight or size or both, for at present all the sorting is done by hand, which very considerably increases the price of the article. Several attempts have been made by local inventors to produce such a machine, but up to the present nothing satisfactory has been put on the market. Any details required by intending makers of such a machine could be supplied by the British Consul.

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

PERSONAL.—Mr. Magness Elgar, of Martin Elgar, Ltd., left Cape Town for Durban on October 13 *en route* for India and the Far East.

MASONIC INSTALLATION.—Bro. F. C. Vincent was installed by the Dean of Cape Town (the Very Rev. C. W. Barnett Clarke), on September 23, as W.M. of the Wynberg Lodge, No. 2577, for the ensuing year. Bro. Vincent is on the wholesale staff of Messrs. Lennon, Ltd., Cape Town, and his elevation to the chair was marked by the attendance of several pharmaceutical members of the Craft.

A CAPE BOTANIST HONOURED.—The gold medal presented annually by the South African Association for the Advancement of Science was this year bestowed upon Dr. H. Bolus, F.L.S., who is well known for his botanical works, which include South African orchids and heaths, and a classical paper on South African flora from a geographical point of view. The presentation of the medal, accompanied by a cheque, was made by the Governor of the Orange River Colony.

MEDICINE-STAMP REVENUE.—A return has been presented to Parliament showing the amount of revenue obtained from the sale of patent-medicine stamps for each month for the period commencing October 1908, and ending August 31, 1909. The figures are as follows: October 1908, 892*l.*; November, 749*l.*; December, 777*l.*; January 1909, 608*l.*; February, 431*l.*; March, 403*l.*; April, 302*l.*; May, 220*l.*; June, 296*l.*; July, 65*l.*; August, 50*l.* (estimated).

BUSINESS CHANGES.—The branch business of Mr. J. H. Cooper in Shortmarket Street, Cape Town, has been purchased by Mr. W. J. H. Thomas, the late manager, who will carry on the business under the title of "The Red Cross Drug-stores."—Mr. A. Ross has acquired a pharmacy in Station Road, Observatory, Cape Town, lately belonging to Mr. S. C. Sivertsen.—The Observatory branch of Messrs. Cameron & Hamilton has been purchased by Mr. A. Pirrie. The Sir Lowry Road branch belonging to the same firm has been closed.

Natal.

TUBERCULOSIS REPORT.—The report of the Durban Medical Society on tuberculosis has just been issued. It is a report to the Durban Town Council as to what may be done for the prevention and cure of consumption in the borough. It contains thirteen recommendations, the most important being the establishment of a "tuberculosis bureau" under the control of the Health Department, the regular inspection of schools by medical officers twice a year, the establishment of sanatoria and agricultural colonies, and the necessity of the equipment of an isolation hospital.

PHARMACY, MEDICAL, AND VETERINARY BOARDS.—Messrs. F. E. Turner (Maritzburg), D. S. B. Anderson and G. Stuart Jones (Durban) have been elected members of the Natal Pharmacy Board to serve for the next five years. The Government's nominees were Mr. J. Elwin Marchant (Verulam) and Mr. C. A. Fawcett (Maritzburg), who was the last secretary to the Board.—Drs. D. Campbell Watt (Maritzburg), M. G. Pearson (Durban), J. Hamilton Balfe (Durban), and W. Russell Strapp (Maritzburg) have been elected members of the Natal Medical Council. The nominees of the Government were Drs. H. A. Dumat, A. McKenzie (Durban), and J. Hyslop (Maritzburg). Mr. C. E. Mountfort has been appointed dental member.—Messrs. H. Watkins Pitchford, W. Power, and C. M. Sharpe have been elected members of the Natal Veterinary Board.

Orange River Colony.

SCIENCE PROGRESS.—The seventh annual session of the South African Association for the Advancement of Science was held in Bloemfontein from September 27 to October 2, and proved a great success, the credit for the per-

fection of the arrangements being due to the Joint Secretaries—Dr. Potts, of the Grey College, and Mr. A. Stead, of the Government Laboratories, both of whom are well known to chemists as examiners for the O.R.C. qualification of chemist and druggist. Some interesting papers were read and lectures given, that by Dr. Juritz, the Cape Government Analyst, on "Celestial Chemistry," proving particularly interesting, while others worthy of remark were those of Dr. Targett-Adams, Public Analyst, O.R.C., on "School Hygiene," which afforded him another opportunity of expressing his feelings on the subjects of patent foods and proprietary medicines. Dr. Johnson, a member of the O.R.C. Medical and Pharmaceutical Council, read a paper on the "Origin of Diamonds," and Mr. Cullen, of the Modderfontein Dynamite-works, discoursed about "Explosives." A popular feature was the exhibit of science material by Heynes, Mathew & Co., which attracted a great deal of attention both from the members of the Association and from the general public.

German News.

CREOLIN.—Mr. William Pearson, of Hamburg, the originator of this preparation, has, says the "Pharmazeutische Zeitung," agreed to permit the use of his registered word "Creolin" for sales of his preparation in small quantities by retailers, on condition that the label shall also bear his name. This applies to Germany.

DUTY-FREE ALCOHOL REGULATIONS.—Alcohol plays so important a rôle in the chemical industry that any alteration in the fiscal policy of a country affecting this product is sure to have a far-reaching effect on the manufacture of chemical and pharmaceutical preparations. The increase in the Government tax on alcohol recently enforced in Germany has resulted in a modification of the various regulations dealing with the use of denatured duty-free alcohol. These regulations are not devoid of interest to British manufacturers. Pure alcohol free of duty may only be issued to hospitals, educational institutions mainly devoted to teaching, military institutions for technical purposes, and to factories producing gunpowder and fulminate of mercury. Two kinds of denatured alcohol are recognised: completely denatured alcohol, and partially denatured alcohol treated to suit special requirements. For total denaturation two mixtures are prescribed. The first consists of four volumes of methyl alcohol and one volume of pyridic bases (to which may be added 50 grains of lavender or rosemary oil to every litre of the mixture), and of this 2.5 litres is added to every 100 litres of alcohol. The second mixture which may be employed consists in the addition to every 100 litres of alcohol of 1.25 litre of the foregoing solution and 0.25 litre of solution of crystal violet as well as 2 to 20 litres of benzol. This completely denatured alcohol is the kind sold to the general public for household and technical purposes. Further, it may be used in the manufacture of medicinal preparations for man or beast which in their finished state contain no alcohol. On the other hand, it may not be used for the preparation of vinegar for consumption, or of substitutes for brandy or other alcoholic preparations intended for human use. The use and preparation of partially denatured alcohol are minutely described. The following are the substances or mixtures which may be employed in the manufacture of chemicals, the amount given denoting the quantity to be added to every 100 litres of alcohol:

In the preparation of all remedies which do not contain alcohol in the finished product: 5 litres of methyl alcohol or 0.5 litre of pyridin bases.

Manufacture of celluloid, pegamoid, and synthetic camphor: 1 kilogram of camphor, or 2 litres of oil of turpentine or 0.5 litre of benzol.

Ether (only for export or for use in the country for technical purposes), salts of ethyl-sulphuric acid, agaricin, podophyllin, scammony, guaiacum, jalap, and other resins and gum-resins, aldehyde, paraldehyde, ethyl chloride and iodide; bromine, chlorine, and iodine gelatin, and similar preparations; also photographic plates and papers, chloral hydrate, electrode plates, acetic ether (see restrictions under Ether), glucosides, preparations of gum for sticking-purposes, collodion; bromine, chlorine, and iodine collodion and solutions of pyroxilin in alcohol, amyl

acetate, etc.; pancreatin, alkaloids, salicylic acid and salicylates, santolin, tannin, coal-tar dyes and their solutions for textile purposes, surgical bandages, all chemicals not containing alcohol in the finished product (except ether, etc.): 10 litres of ether, 1 litre of benzol, 0.5 litre of oil of turpentine, or 0.025 litre of animal oil.

White lead and acetate: 1 litre of benzol, 0.5 litre of oil of turpentine or 0.025 litre of animal oil.

Chloroform, iodoform, bromoform, ethyl bromide, and brominated or iodised oils for medicinal purposes (iodipin, morrhual, etc.): 300 grams of chloroform, 200 grams of iodoform, or 300 grams of ethyl bromide.

Hard soaps: 1 kilogram of castor oil and 400 grams of caustic potash or soda solution.

Wool-fat (lanolin): 5 litres of petroleum benzin.

It is forbidden to employ denatured alcohol in the preparation of alcohol perfumery, hair-washes, tooth or mouth washes, vinegar for consumption or of alcoholic preparations intended for human use. Curiously enough, to obtain the repayment of the duty paid on exporting such preparations, the manufacturer is required to pledge himself not to use any form of duty-free alcohol or methyl alcohol, and this may also be applied to the exportation of alcoholic homeopathic preparations. It may be mentioned that the provisions of the new alcohol-tax, as far as medicinal preparations are concerned, are in direct opposition to several existing regulations. The use of denatured alcohol is permitted in the preparation of medicines not intended for human consumption, which would imply that, as far as counter sales are concerned, it might be used for various liniments and tinctures for outward application. However, this is forbidden by regulations issued in 1905 and 1906, which prohibit the use of denatured alcohol in any remedies, and not only apply to sales by pharmacists, but also to preparations sold by druggists. This is the position in Prussia, where a State decree exists rendering null and void a provision contained in an Imperial measure.

Friedrich Mohr Memorial.

We reported in our issue of September 11 that seven German scientific societies had united in the promotion of a monument to Carl Friedrich Mohr, to be erected in Coblenz, his native town. It is to Mohr that we owe the systematising of volumetric analysis and the invention of the burette, while all modern works on practical pharmacy are based upon his "Manual of Pharmaceutical Technique," in so far as some of the illustrations which Mohr designed are still used in present-day text books. Dr. B. H. Paul, F.I.C., of Kingston Vale, Putney, London, S.W., was a fellow-student of Mohr's at Giessen under Dr. Von Liebig, and was asked by the Coblenz Committee to receive contributions to the memorial from British chemists. Dr. Paul has made a beginning, and has favoured us with a list of the subscriptions he has so far received as follows:

	£	s.	d.
M. Carteighe, London	...	...	...
W. G. Whiffen, Battersea	...	...	...
S. Darby, Cookham Dean	...	...	...
N. H. Martin, Newcastle	...	...	...
J. Bourdas, London	...	...	...
Sir Joseph Swan, London	...	...	...
T. Farries, London	...	...	...
A. L. Savory, London	...	...	...
F. J. Hanbury, London	...	...	...
F. Sutton, Norwich	...	...	...
Sir B. Redwood, London	...	...	...
W. Hills, London	...	...	...
C. A. Hill, London	...	...	...
W. Stones, Manchester	...	...	...
G. S. Woolley, Manchester	...	...	...
P. W. Squire, London	...	...	...
Dr. A. P. Luff	...	...	...
S. R. Atkins	...	...	...
A. Southall, Birmingham	...	...	...

We dare say there are many more in British pharmacy who are willing to contribute crowns or guineas, and they may send them to Dr. Paul, who, it is gratifying to note, is so keenly interested in what is going on now as to take this active part in venerating the memory of an old friend who did much for pharmacy and analytical chemistry.

Legal Reports.

Pharmacy Act, 1852.

APPEAL AS TO THE WORD "PHARMACY."

In the Divisional Court, King's Bench Division, London, on Thursday, October 28, before Mr. Justice Darling and Mr. Justice Bucknill, the appeal of the defendant in the action of the Pharmaceutical Society *v.* Mercer was heard, the appeal being from the decision of Judge Shand in the St. Helen's County Court on March 31 (*C. & D.*, 1909, I., 552 and 564). Mr. A. Neilson appeared for the appellant, and Mr. Vaughan Williams for the respondent Society.

Mr. Neilson said that this was an appeal by defendant from the judgment of his Honour Judge Shand at the St. Helen's County Court, and the defendant was a man named Ralph Mercer, who carried on business at Haydock and sold medicines. He described himself on his bill-heads, etc., as "Ralph Mercer, The Pharmacy, Haydock," and it was upon the word "pharmacy" that the action turned. The point, shortly, was that under the 12th Section of the Pharmacy Act of 1852 Mercer had committed an offence. That Act said that it was not lawful for any person, not being registered as a pharmaceutical chemist or pharmacist according to the provisions of the Act, to use the title of pharmaceutical chemist or pharmacist. And then the Section went on to say—and these were the important words—"or assume, use, or exhibit any name, title, or sign implying that he is registered under the Act or a member of the Pharmaceutical Society." If a person did so, then under the Act he would be subject to a penalty of 5*l.*, which penalty, added counsel, the learned County Court judge imposed in this case.

Mr. Justice Darling: There was a decision of which I was party, and to which I agreed with great reluctance. The man in that case called himself a canine specialist.

Counsel: I hope to refer to that case.

Mr. Justice Darling: If someone will over-rule it I shall be very glad. (Laughter.)

Counsel: It has been over-ruled in a recent case. (More laughter.) Continuing, counsel stated that so far as the Pharmaceutical Act was concerned the words were quite different from those contained in the Dentists Act, 1878, and the Veterinary Act of 1881. The words in the Pharmaceutical Act stated that the implication must be, not as in the Dentistry and Veterinary Acts, that a man commits an offence who holds himself out to be specially qualified to practise dentistry or veterinary surgery, but that a man must not hold himself out or by some means imply that he was a member of the Pharmaceutical Society or was registered under the Act.

Mr. Justice Darling asked what the store of a man would be called who was not a member of the Pharmaceutical Society.

Mr. Neilson: I cannot tell; possibly the Pharmaceutical Society might be able to. I suggest that the word "pharmacy" simply means "drug-store," and it has been so defined in the various dictionaries. It cannot be held by any stretch of imagination that Ralph Mercer was a member of the Pharmaceutical Society or a person registered under the Act of 1852. Mr. Neilson proceeded to quote authorities in support of his contentions. Lord Justice Buckley, in giving judgment in a dentists' case, laid it down that what the Section of the Dentists Act which was then being discussed forbade was the description of a person as distinct from the description of the work done. In the case to which he had referred there had simply been a statement of the acts done and not a description of a person as being qualified to do the acts. It appeared that the description must therefore be something personal to the man himself.

Mr. Justice Bucknill: You mean where a man puts up something implying that he is something that he is not?

Mr. Neilson: Yes; something very definite that he is not—that he is either a member of the Society or registered under the Act. It is lawful for him to sell drugs and to say that he does so, and the only thing that he is forbidden to do is to say something to lead the public to believe that he is one of two things—either a registered man or a mem-

ber of the Society. There was (counsel continued) a Scotch case on the point. A man put up a notice outside his premises—"American dentistry," and there was also a brass plate, "Dental office." There was also a business card or advertisement on which were the words "American dentistry." The case went to the Court of Session, when it was laid down that the Act imposed a penalty on anyone who, without being registered or specially qualified, assumed the title. This notice, however, did not mean more than that dentistry was practised therein, and contained no mention of qualification, and the question was whether it was a description implying that the person was specially qualified to practise dentistry.

Mr. Vaughan Williams, for the respondents, being called upon, said he submitted that the decision of the learned Judge was right both in his construction of the meaning of the Section and the inference of facts which he had drawn. If the Section was wide enough to enable him to draw this inference he submitted that the decision, so far as it was a question of fact, should be affirmed, having regard to the fact that there was no right of appeal. He did not desire, however, to put the case upon that ground. The matter was one of great importance to the respondent Society, and he asked their Lordships to give a decision in the shape of a pronouncement as to what the real effect of the Section was. The Act was generally known as the Pharmacy Act, and was made to regulate the qualifications of pharmaceutical chemists and pharmacutists. The scope of all the Acts entitled Pharmacy Acts was to prevent, from the passing of the Act of 1852 forward, anyone using a name which suggested that that person was a pharmacist or pharmaceutical chemist who was not registered under the Act or a member of the Pharmaceutical Society.

Mr. Justice Bucknill: If there was the name "vicarage" outside, would it be a vicarage? (Laughter.)

Mr. Justice Darling: If a man put a ship up, would it be implied that he was a sailor? (Laughter.)

Mr. Vaughan Williams: If it was a ship, and not upon the land, one could imply that there were sailors in it. (Laughter.)

Mr. Justice Darling: Suppose a gentleman put out an eagle's nest, could it be implied that he was an eagle? (Laughter.)

Mr. Vaughan Williams: No, my lord; but there are circumstances the reasonableness of which must be taken into consideration. Here we have a man selling poisons, and exhibiting a sign which made people believe that he was a member of the Society. If you find circumstances under which a man is pretending that he is something which he is not you must look at these circumstances. In reply to Mr. Justice Darling, counsel said he agreed that if the defendant had not put out the sign the Society would not have caught him. He submitted, as a result of cases cited, that the Court should find that the use of the word "pharmacy" was calculated to mislead people. Having regard to the special qualification now required from anybody who wanted to call himself a pharmacist or pharmaceutical chemist, he contended that the use of any word connected with pharmacy or derived from pharmacon was sufficient to suggest to the public mind that the man using it was a member of the Pharmaceutical Society. He desired, however, to put it on the higher ground that these words could not be used by anybody at large. Under the Act of 1868 it prevented people calling themselves pharmacists, and under the Act of 1903 it enabled them to call themselves pharmacists. But he submitted that the law as it stood before 1903 would have prevented anyone calling himself so. Under the Act of 1868 a penalty was provided in case of anyone improperly so describing himself. There was an express prohibition there which went to show that the intention of the Legislature was to prevent anybody not a qualified chemist by examination or by a special exemption from assuming any of those titles. He submitted that the object here was to use the words "The Pharmacy" in such a manner as to lead people to think that the pharmacy was a place where there was a registered member of the Society, or somebody qualified in the way that the law requires.

Mr. Justice Darling asked if that implication would hold good if the windows of the shop were filled, say, with ironmongery.

Mr. Vaughan Williams thought that in such a case the implication would be that there had been a chemist occupying the place, or that the man who carried on the ironmongery business had a curious taste in names. (Laughter.) But in this case there was nothing to rebut the suggestion that the occupant of the shop was a pharmaceutical chemist, endowed with all the privileges of the Society, not only for his own protection but for the protection of the public. Under all the circumstances, it was not a wrong implication for the Judge to draw that the real intention of the Act was to prevent the use not only of the two specific titles but of any sign or name or title which would suggest to the public that the person using it was a registered member of the Society. In reply to Mr. Justice Bucknill, counsel said it was admitted that the appellant sold laudanum and that he was a medicine-vendor.

Mr. Neilson, for the appellant, said he respectfully agreed with his learned friend to a certain extent as to the implication to be drawn from the use of the words "The Pharmacy." It probably meant that he sold drugs, and, so far, that was quite true. Where he respectfully desired to limit his friend's implication was that it did not mean that he was a member of the Pharmaceutical Society or that he was registered under the Act. It was perfectly legitimate for him to sell drugs if he did not offend against any of the provisions of these Acts. If he did there were separate Sections of the Acts which dealt with penalties to which he was liable. Those did not arise here at all. The only point to be decided in this case was as to whether he was wrong and committed a breach of Section 12 of the Act by calling his place "The Pharmacy." He differed from his friend's view that the word "pharmacy" had become so indissolubly connected with the Pharmaceutical Society that nobody could call his place a pharmacy without implying to everybody that he was a member of the Society. That, he submitted, was carrying the implication very far beyond the point where it was justified.

Mr. Vaughan Williams said a chemist and druggist was not anybody who chose to call himself so, but a man who had been in the trade before 1868. The position is that a chemist and druggist who calls himself a pharmacist under the Act of 1903 is relieved of the offence under Section 12 of the Act of 1852.

Mr. Justice Darling: Suppose that a man who puts up "Pharmacy" and sells drugs, as in this case, implies that he is a pharmacist, entitled to call himself so by the Act of 1903, it might imply that it was untrue; but it would not be the offence for which this man is sued.

Mr. Neilson: This specific Section 12 of the Act of 1852 is perfectly separate and distinct from any other. It says: "Registered under this Act or being a member of the said Society." What your Lordships have to find in this case is that, by using this description of his premises, he implies that he is a pharmaceutical chemist, or registered. He submitted that it would be an abuse of language if their Lordships found that the use of this word implied that Mercer was a member of the Pharmaceutical Society or registered.

JUDGMENT.

Mr. Justice Darling, in delivering his judgment, said: In this case it is admitted that the appellant sold drugs in bottles; it was admitted, in fact, that he actually carried on the business of a vendor of drugs, and called his place "The Pharmacy." That is to say, he put it over the door. It is said that, according to that, he has broken the Act of 1852, Section 12, in so far as that he put up a name or sign implying that he was registered under that Act. That is to say that he is a member of the Pharmaceutical Society. Now, I agree with Mr. Vaughan Williams that the County Court Judge was entitled to look not only at the word "pharmacy," but at the kind of business carried on. Or, it may be, that the word "pharmacy" alone would raise that implication. I think it would, when the place was used for the vending of medicines. But I think he would have a right to look what was done with it. The circumstances might show that no implication remained such as the mere use of the word "pharmacy" gives. I put the case of a man who had put up "Pharmacy," and filled his shop-window with things that did not relate to a pharmacy at all. It would be quite right to say that there might be

an implication; but the trade carried on would serve to show that it was not a good one. In the same way, when the word is used and when the man does actually carry on the business of a medicine-vendor, it is not the mere use of a word meaning nothing, but that he carries on the business of medicine-vendor. That is not conclusive, because he may vend medicines without being a member of the Pharmaceutical Society. He may come within the provisions of certain other Acts of Parliament which extend to persons not members of the Society. True, they may not be many now, and they are fast diminishing in number. But the law extends to them the privilege of selling drugs and making up medicine. But we are at once in a difficulty because the case of Hayward over-rides the cases on which Mr. Vaughan Williams relies. What this man did, at the most, was to put up "The Pharmacy," and he used medicines in his shop. It is said, then, that he represented himself to be a man living in a pharmacy, not to be a man carrying on the drug-business, but a person registered under the Act of 1852. I think it is difficult to say that it means that, after the words of the Lords Justices and the Master of the Rolls in Bellerby's case. There it was said that what the Section forbade was the description of the person as distinguished from the description of the acts done. Therefore you distinguish between his act in putting up "Pharmacy" and the acts that he does in selling drugs from the description of himself, which is the one thing which the Act forbids. Now, there is another thing. In order to convict it must be proved that he put up a sign implying that he was a member of the Pharmaceutical Society, or that he was registered under the Act of 1852. Now, it seems to me that putting up a sign and selling medicines does not, necessarily, raise that implication. But it might also raise totally different implications, and that is that he was a person who was entitled to have a pharmacy—who was entitled to call himself a pharmacist; entitled to sell medicines, not under that Act at all, but by virtue of other Acts, under which persons not members of the Pharmaceutical Society were entitled to do the very thing this man was doing. Supposing he had been cited under one of these Acts, Mr. Vaughan Williams might have appeared in his defence, using the very arguments he has now used against him. Therefore it seems to me that the implication has an ambiguous application, even if you take it that the putting up of a sign "The Pharmacy" implies that he is the particular person, because the implication is ambiguous. The true implication may be that he is a person registered under the Act of 1852 or that he is a person having certain privileges under other Acts of Parliament. It seems to me, therefore, that, for these reasons, I must hold that this appeal is entitled to succeed.

Mr. Justice Bucknill said: I shall confine myself to one part of the case. Under Section 12, whether this person has assumed the title of a pharmaceutical chemist or pharmacist, or used, assumed, or exhibited any name, title, or sign implying that he is registered under that Act, all he did was to put his name and the word "pharmacy." Now "pharmacy" is the description of a place, not the description of a firm. Was there anything in the use of this name which intended to hold out that the man or people inside were registered chemists or pharmacists? It is going too far to say that the use of a word as the description of such a place is a description of the man or persons who occupy that place. The man may call himself something—he may say, "I am a mixer of medicines." Well, he is entitled to mix medicines; but he must not do that which, in the mixing of medicines, amounts to an offence against the law by assuming that he is a registered person. I don't think there is any evidence here that by the use of the word "pharmacy" the person using that word asserted or assumed, or allowed people to believe, that he was a pharmaceutical chemist, a pharmacist, or a registered person under the Act who was using that place described as a pharmacy. I, therefore, find that the appeal should be allowed.

The appeal was allowed, with costs.

On the application of Mr. Vaughan Williams leave to appeal from the decision was granted.

[The next stage will be in the Court of Appeal before three Lords Justices. It may not come on before Christmas.—Ed. C. & D.]

High Court Cases.

PROTECTED PRICES AGREEMENT.

In the Chancery Division on October 22, Mr. Justice Joyce had before him the motion of the Nugget Polish Co. v. Holmes & Andrews. Mr. Hughes, K.C., appeared for the plaintiffs, and said defendants were not present, neither were they represented. He understood that they were not appearing in the case. They had been duly served. The action was by the plaintiffs to restrain the defendants from committing breaches of an agreement not to sell under a certain price. The action was against the original person who entered into the agreement. The agreement was proved. There had been breaches of the agreement, the quantities being substantial too.—His Lordship granted the injunction asked for, and made the usual order for an account and inquiries.

COMMISSION ON VAPORITE.

In the King's Bench Division on October 26, Mr. Justice Coleridge and a common jury heard an action brought by Mr. Richard Maurice, trading as Messrs. Maurice, of Covent Garden, London, Paris, etc., fruit and vegetable growers, etc., against Messrs. Strawsons, manufacturing chemists, of Queen Victoria Street, London, the claim being for 250*l.* damages for alleged breach of contract. It appeared from a statement made by Mr. Lewis Thomas, K.C., on behalf of the plaintiff, that Mr. Maurice received from defendants the agency in France for Vaporite, a M. Deleneux being appointed as representative, and a commission of 2½ per cent. for five years being agreed upon. M. Deleneux was succeeded in the representation by M. Georges Truffant, the defendants continuing the contract as before. In October 1908 Mr. Maurice received a visit at his London office from one of the partners of Messrs. Strawsons, who asked Mr. Maurice if he would accept a lump sum to cover all the commission he was likely to receive for the five years, and suggested 25*l.* Plaintiff considered that the sum offered was by no means adequate, and he pointed out that it was in the contract that in the first year M. Truffant should dispose of 50 tons of Vaporite, in the second year 400 tons, and in the third year 800 tons, so that in the event plaintiff would be entitled to 250*l.* commission. No agreement was come to, and certain letters followed, from which the plaintiff gathered that the defendants had transferred their business to the Vaporite Strawsons Co., Ltd., and that was the reason Strawsons endeavoured to get him to accept a certain price as commission. Plaintiff had received no commission, and alleged that the defendants had broken their contract.

Mr. Brooke Little (for defendants) said liability was denied. As long as Mr. Truffant got all the Vaporite he wanted, he argued, there would be no breach of contract. They were willing to pay commission on all the sales.

His Lordship: What? Vaporite supplied by anybody?

Mr. Brooke Little: Yes, because wherever it was purchased it would have to come from defendants' manufactory. We agreed to supply M. Truffant with all the Vaporite he wanted. If he did not choose to sell as much as he contracted to sell then the contract would be rescinded, but he would even then have the option of selling the substance. The defendants have not refused to supply M. Truffant with Vaporite.

Mr. Lewis Thomas: Because he is your agent.

Mr. Richard Maurice gave evidence, and in cross-examination stated that he had bought Vaporite from the Vaporite Strawsons Co., Ltd., and it was certainly in the same condition and of the same manufacture as before. It was also still possible for M. Truffant to get as much Vaporite as he could dispose of.

Mr. Brooke Little argued that there was no evidence to go to the jury of breach of agreement. Defendants had not refused to pay commission to the plaintiff on whatever M. Truffant sold. There was no total repudiation of the contract. Defendants had not denied that they were liable—all they said was that the company would pay. They were perfectly willing.

Mr. Leonard Hacking, the managing director of Vaporite Strawsons, Ltd., and Mr. W. J. Strawson gave evidence for the defence.

In summing up his Lordship said the plaintiff had not asked the company for any payment of commission, and

there was no evidence that Strawsons had refused to pay the commission. In fact, plaintiff did not seek to recover any money; all he, apparently, said was that he wanted the money from Strawsons, and not from the company. Even if there had been a technical breach by the defendants he could not see what damages plaintiff had suffered.

The jury returned a verdict for plaintiff, with 100*l.* damages.

"PERFECTION" SOAP-MARK.

In the Court of Appeal, before the Master of the Rolls and Lords Justices Moulton and Farwell, on Wednesday, October 27, the case of *in re* the Trade-marks Act, 1905, and in the matter of the application No. 291,978, of Joseph Crosfield & Sons, Ltd., for the registration of a trade-mark, and opposition thereto, No. 4,429, of Lever Bros., Ltd., came on for hearing, upon the appeal of the applicants, J. Crosfield & Sons, Ltd., from a decision of Mr. Justice Swinfen Eady in the Chancery Division, reported in the *C. & D.*, June 19, p. 939.

Mr. A. J. Walter, K.C., in opening the case for the appellants, said that the judgment appealed from dismissed the appeal of Messrs. Crosfield from the order of the Registrar of Trade-marks, refusing Messrs. Crosfield's application to have the word "Perfection" registered as a trade-mark for soap. The application was made under the Act of 1905, which introduced considerable changes into the law relating to the nature of marks which might be applied for as registrable trade-marks. The application was made under Class 47 for common soap. Briefly, the appellants' case, on the evidence, was that for some twenty-four years the word "Perfection" meant to the trade and the public household common soap of the manufacture of Messrs. Crosfield; no other household soap during that period has ever been known by the name of "Perfection" soap. As applied to household soap the word "Perfection" was known in 1885, and had gone on continuously from that time to the present. That was the general nature of the case.

The learned counsel complained that the Registrar refused to register the word "Perfection" as the applicants' trade-mark in Class 47 of common soap, the registration being opposed by Messrs. Lever Bros., Ltd., who objected to the word "Perfection" being registered alone, as it was not distinctive, and that it was not adapted to distinguish the goods of Messrs. Crosfield from the goods of other manufacturers. Mr. Justice Swinfen Eady took this view, and affirmed the decision of the Registrar. The learned counsel contended that, having regard to the evidence of men in the court below, the appellants were entitled to have the word registered in Class 47. He said that the soap trade of the United Kingdom was about 300,000 tons per year. Plaintiff in the court below called soap manufacturers making about 160,000 tons annually, including Gossages, Cook & Co., Christopher Thomas, John Knight, D. & W. Gibbs, Gerrard, Cliffe, Evershed, and Watson's. Messrs. Watson's trade was larger than Lever's—all these people were active competitors of the appellants, and they every one came and said that "Perfection" soap meant the appellants' and no other, and a great number of wholesalers and retailers gave similar evidence. The retailers who gave evidence on behalf of the appellants said that customers wishing to purchase appellants' soap frequently asked for it by the name of "Perfection."

Mr. Walter proceeded to read the evidence in the court below, and was still doing so when the Court adjourned.

Mr. Walter resumed his argument on Thursday, and a great part of the time was spent in discussion between bench and bar. From the remarks made we select the following *obiter dicta*:

Lord Justice Moulton expressed the opinion that in exercising its jurisdiction under the clause in the new Act the question the Court had to decide was not whether the word had attained a secondary signification, but whether it was capable of a secondary signification, and it was upon that question important to adduce evidence as to what was done and what had taken place in a considerable part of the country. It was also necessary to show that the use of the word would not interfere with anybody else acquiring rights or anything of that sort.

Mr. Astbury, K.C., said that he thought that "Perfection," instead of being printed in the shorthand notes with inverted commas and with a capital "P," should be printed as an ordinary English word.

Lord Justice Farwell: If you ask for perfection soap I agree you want the best soap; if you ask for "Perfection" with a capital "P" you mean the brand.

Mr. Walter: I know of no evidence of persons who go into a shop and ask for "Perfection" with a capital "P."

Mr. Astbury said he did not wish to raise a point; he only mentioned it by way of a joke.

Lord Justice Fletcher Moulton: No one doubts that if one goes into a shop and says, "I want a bar of Perfection soap" he knows it is a brand?

Mr. Astbury: I don't agree.

Lord Justice Fletcher Moulton pointed out that the respondents, Messrs. Lever, had a brand named "Powerful." He thought that was the very worst name that could be used.

Mr. Walter read to the Court a list of the names of other of Messrs. Crosfield's brands, including "Good Judge."

The Master of the Rolls: I have heard of "Old Judge." (Laughter.)

Lord Justice Moulton thought that soapmakers had chosen the very worst names for their brands that they possibly could. He excepted from that remark the words "Sunlight" and "Lifeboat."

After further argument, the hearing was again adjourned.

Bankruptcy Report.

Re JOHN B. GARNETT, trading as Thomas's Drug-stores, 125 Upper Street, Islington, Chemist and Druggist.—The first meeting of creditors was held at the London Bankruptcy Court on Wednesday, October 27, before Mr. G. W. Chapman, Official Receiver. The receiving order was made on the petition of Messrs. Butler & Crispe, wholesale druggists, 82 Clerkenwell Road, the act of bankruptcy cited being the departure of the debtor on or about August 28 with intent to defeat or delay his creditors.—The Chairman reported that the debtor had not attended under the receiving order which was made on October 15. He was informed that the debtor had rented the above premises on a lease expiring Lady Day 1919, at a rental of 121*l.* per annum. The landlord had distrained for rent in arrear to the amount of 75*l.* 15*s.*; the sale by the Sheriff had realised 110*l.* 8*s.*; and a balance of 4*l.* 15*s.* 8*d.* had been handed over to the Official Receiver by the auctioneers. There were some valuable fixtures and fittings and electric light fittings which would probably realise 40*l.* or 50*l.*, and must have cost a considerably larger sum to erect. There was a stock of drugs and poisons, the sale having been stopped when the claim for rent was satisfied. The realisable value of those drugs, etc., had yet to be ascertained. It was believed that the debtor had books containing valuable prescriptions, but they could not be found on the premises. In the absence of the debtor the case was left in the hands of the Official Receiver to be wound up in bankruptcy, the debtor's public examination being fixed for November 25.

Gazette.

The Bankruptcy Acts, 1883 and 1890.

ADJUDICATION.

WESTGATE, WALTER, Balsham, Cambs, veterinary surgeon.

Cessio Petition.

JOHN ARCHIBALD CAMPBELL, proprietor of "Gipsy Ointment," 59 Clyde Place, Glasgow.—A petition for cessio having been presented to the Sheriff of Lanarkshire by Mr. James Logan, Maryhill, the debtor will be publicly examined in the Summary Court, County Buildings, Glasgow, on November 2, at 10.15 A.M.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. JAMES LEAY, of Castleblayney, druggist, who died on July 1, left personal estate valued at 2,493*l.* 7*s.* 9*d.*

MR. GEORGE EDWARD DAVIES, 15 City Walls, Chester, chemist and druggist, who died on September 16, aged fifty-seven years, left estate valued at 2,223*l.* 14*s.* 1*d.* gross, and at 417*l.* 18*s.* 10*d.* net.

MR. ARTHUR SANGSTER, 141 Finchley Road, N.W., pharmaceutical chemist, left estate of the gross value of 12,337*l.* 19*s.* 8*d.*, of which the net personalty has been sworn at 4,470*l.* 11*s.* 9*d.* (*C. & D.*, September 11, p. 431).

THE REV. DR. HENRY ROSS, D.D., LL.D., Dallas House, Lancaster, formerly a chemist, who died on September 19, aged seventy-five years, left estate of the gross value of 15,958*l.* 8*s.* 3*d.*, of which the net personalty has been sworn at 11,159*l.* 5*s.* 10*d.*

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and K.O., Registered Office.

VILIXIR Co., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the undertaking of the Bromley Hydro-Hair Restorer, and the right to manufacture and deal in Bromley Hydro-Hair Restorer or "Vilixir," and to adopt an agreement with W. Belcher and E. H. Scoones, who are the first directors.

STEPHEN STEPHENSON (LIVERPOOL) (1909), LTD. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the business of S. Stephenson, chemist, druggist, and mineral-water manufacturer, 98 and 270 Kensington, Liverpool. The first directors are S. Stephenson, Liverpool, pharmaceutical chemist; W. Smith, Birkenhead, fruit-merchant; and P. H. Lloyd, Liverpool, drug-store proprietor. R.O., 98 Kensington, Liverpool.

A. B. MERRICK & SONS, LTD. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on at 43-46 Preston Street, Exeter, as "A. B. Merrick & Sons," manufacturers of and dealers in colours, paints, paint-mills, soap, methylated spirit, varnishes, turpentine, white lead, etc. The first directors are A. B. Merrick (permanent chairman, subject to holding 250 shares), W. T. Merrick, and H. R. Merrick. R.O., 43 Preston Street, Exeter.

UNITED CHEMISTS' ASSOCIATION, LTD.—Capital 15,000*l.*, in 5*l.* shares (500 founders). Objects: To carry on the business of manufacturing, analytical, and consulting chemists and druggists, opticians, manufacturers of and dealers in proprietary medicines and articles, etc. Minimum cash subscription, 1,000*l.* The first subscribers and directors are H. Miller, C. C. H. Cadge, A. E. Bolshaw, J. G. Jackson, and L. M. Parry (see below). Qualification, 25*l.* R.O., Vulcan Chambers, St. James Street, Sheffield.

MONNA VANNA, LTD.—Capital 50,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with S. Van Dijk and to carry on the business of manufacturers and importers and exporters of and dealers in perfumes, soaps, creams, unguents, powders, and toilet preparations, requisites, and specialities, pharmaceutical, medicinal, sanitary, chemical, and other preparations, etc. Minimum cash subscription, 3,500*l.* The first directors are E. Behrmann, G. Rusquin, and L. Bonjean. R.O., Kingsway House, Kingsway, W.C.

MEDICAL ANIMAL SERUM INSTITUTE, LTD.—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the secret process for the manufacture and sale of a certain serum invented by J. Champagne for use in venereal diseases, to adopt an agreement with J. Jellinek and J. Champagne, and to carry on the business of chemists, druggists, drysalers, manufacturers of and dealers in pharmaceutical and other preparations, etc. The subscribers are: J. Jellinek, 9 rue Saulnier, Paris, merchant; J. Champagne, 16 rue Gosselin, Arcueil, Seine, chemist; K. H. H. Smith, 19 Holborn Viaduct, E.C., solicitor; C. U. Fisher, 19 Holborn Viaduct, E.C., solicitor; F. W. Daffen, 19 Holborn Viaduct, E.C., managing clerk; E. H. Harberd, 47 Shakespeare Road, Hanwell, engineer; and R. Hanger, 19 Holborn Viaduct, E.C., clerk—each with one share. Minimum cash subscription 5*l.* The first directors are J. Jellinek and J. Champagne. Purchase consideration 1,993*l.* R.O., Bristol House, 19-20 Holborn Viaduct, E.C.

H. LANGE'S SUCCESSORS, LTD.—A meeting of the creditors will be held at 58A Wells Street, Oxford Street, London, W., on November 5, at 3 p.m.

DYER'S OZONIC PURE AERATED WATER Co., LTD.—A meeting was held at 2 Moorgate Street, E.C., on October 15, when it was resolved that the company be wound up voluntarily.

ELECTROLYTIC ALKALI.—The annual report of the Electrolytic Alkali Co. shows a net profit for the year, after allowing for depreciation, debenture interest, general upkeep, etc., of 11,919*l.*, making, with the balance brought forward, a credit balance of 22,174*l.* There are now three years' dividends due on the preference capital. The directors propose to pay twelve months' dividend and to carry forward 15,177*l.*

CARRAMON, LTD.—At an extraordinary meeting of the shareholders of this company held at 8 North St. David Street, Edinburgh, on October 21, it was resolved "That the company cannot by reason of its liabilities continue its business, and that it is advisable to wind up the same." Mr. R. G. Morton, C.A., 8 North St. David Street, Edinburgh, was appointed liquidator. A meeting of the creditors will be held at the above address on November 8 at 2.30 p.m. Creditors are required to lodge their claims with the liquidator on or before November 4.

CUPAL, LTD., is the short title of a company which has been registered under the name "Chemists' United Proprietaries

Association, Limited" with a capital of 25,000*l.*, divided into 20,000 ordinary shares of 1*l.* each and 5,000 5-per-cent. cumulative preference shares. The object is to take over as a going concern the business of Woolleys, Ltd., Blackburn, the manufacturers of the "Chemists' Emulsion," and other proprietaries, of which Mr. William Woolley, J.P., the founder of the business, has confined the sale to pharmacists. One of the objects of the present formation is to still further develop this principle, a full statement of which is printed in the advertisement pages of this issue. It is an interesting document. Mr. Woolley is to be managing director of the new company, and associated with him as a director will be Mr. L. Sherwood Selle, pharmacist, Hull, with Dr. R. H. Pickard, F.I.C., as consulting chemist, while it is intended that representative pharmacists in the leading cities of England, Ireland, and Scotland should be asked to join with them as an advisory committee. Woolleys, Ltd., have accounts with 2,000 pharmacists, and these will be transferred to Cupal, Ltd., along with the well-equipped factory stock-in-trade, goodwill, and other assets. The preference shares and a portion of the ordinaries are open to chemists for subscription. Applications for the prospectus and subscription-form should be addressed to the registered office, Phoenix Mill, King Street, Blackburn.

UNITED CHEMISTS' ASSOCIATION, LTD.—The prospectus of this company has been issued, inviting subscriptions for 3,000 shares of 5*l.* each, being the registered capital of the company. The first 500 shares issued will be founders' shares, and will be entitled to a preferential dividend of 5 per cent. per annum in addition to a further dividend at the same rate after the other or ordinary shares have received a dividend of 5 per cent., 10 per cent. being fixed as the maximum for the founders' and 5 per cent. for the ordinaries. It is further stated that "the company has been formed for the purpose of supplying only its members with a series of proprietaries, toilet articles," etc. The directorate of the company consists of Messrs. Harold Miller, Cheltenham (Chairman), Charles C. H. Cadge, Bingham, Notts (Vice-chairman); Albert E. Bolshaw, Hastings; J. Gilbert Jackson, Sheffield; and L. Moreton Parry, Liverpool—all of whom are retail pharmacists. Prospectus and forms of application can be obtained at the offices of the company's solicitors (Messrs. Schierwater & E. D. Symond, 5 Harrington Street, Liverpool), bankers (the London City and Midland Bank, Ltd., London Road, Heeley, Sheffield), or secretary (Mr. E. Manning Keer, F.A.A., Vulcan Chambers, St. James Street, Sheffield).

A. & F. PEARS, LTD.—The general meeting was held at the Holborn Restaurant on October 27, Mr. T. J. Barratt, chairman of the directors, presiding. Mr. Barratt made a reference to the death of Mr. Andrew Pears, and stated that the directors had invited Mr. Thomas Beecham, St. Helens, to occupy a seat on the board. In discussing the annual report Mr. Brodie asked what steps were taken to induce retail dealers to push the sale of Pears' soap. He mentioned an instance where a chemist, upon being asked why he did not keep Pears' soap on the counter, replied, "It is not worth our while to push it; we get nothing out of it." He agreed that it was the duty of the shareholders, in their own interests, to endeavour to push the sale of the soap as much as possible, and it seemed a pity if there were anything in the contention of the shopkeeper to whom he had referred.—The Chairman, in reply, said that, as he had explained on a previous occasion, originally there was a large profit to the shopkeeper upon Pears' soap, but the very great demand for it had induced one after another to give away his profit in order to attract buyers into his shop, and, having got them into his shop, to sell them something else—for instance, in the case of a chemist, to sell his prescriptions, which gave him a large profit, or in the case of a hairdresser, to sell his brushes and other such articles. The object of shopkeepers in cutting down the price had been to advertise their own businesses and bring customers to their own shops, and they had given away the profit which the company gave to them until they now only obtained 9 per cent. If the company gave a further discount—if it were only the smallest increase—the shareholders' dividend would disappear.—A vote of thanks was given to the Chairman.

MORTGAGES AND CHARGES.—Particulars of the following have been filed at Somerset House: *Electrolytic Alkali Co. Ltd.* Issue of 3,200*l.* debentures.—*Foods, Ltd.* Issue of 500*l.* debentures.—*Francis Hallam, Ltd.* Charge on the company's undertaking and property, except uncalled capital, to secure all moneys for which G. F. Reading, of Nunelly House, Bridge Street, Burton-on-Trent, and T. F. Duncliffe, 13 High Street, Burton-on-Trent, may become liable as guarantors under a deed of October 12.

RECEIVERS.—The following have ceased to act: E. P. Steeds for *R. Gibbins & Co., Ltd.* H. W. Quittenden for *W. H. Edwards & Co. (London), Ltd.* H. Wilson, of 23 Devereux Court, W.C., for *Lady Blount's Medical Aid Society, Ltd.*

Birth.

YEATS.—At 71 East Hill, Wandsworth, S.W., the wife of W. G. Yeats, chemist, of a daughter (Gladys Mary), who only survived ten hours.

Marriages.

COLE—JONES.—At the Presbyterian Church, Clones, on October 13, by the Rev. J. Edgar, Belturbet, John James Cole, pharmaceutical chemist, Cavan, to Jennie Margaret Georgina, elder daughter of the late Mr. John Copeland Jones, Nahilah Park, Belturbet.

RITCHIE—KERR.—At Panmure Street Congregational Church, Dundee, on October 21, by the Rev. Thomas Templeton, M.A., David H. W. Ritchie, Calcutta, to Annie Katherine, second daughter of Mr. Charles Kerr, J.P., pharmaceutical chemist, Dundee.

Deaths.

BAKER.—At 34 High Road, Willesden Green, London, N.W., on October 13, Mr. Alfred John Edward Baker, aged forty-six.

GRANT.—At 40 High Street, Blairgowrie, on October 20, Jessie Isles, wife of Mr. William Grant, chemist.

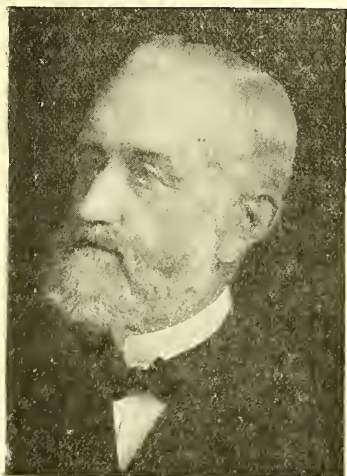
ETHERINGTON.—At Penrith Hospital, on October 23, Jessie Hyslop, wife of Mr. John Hetherington, pharmacist, Moffat. We reported on October 2, p. 530, that Mrs. Hetherington and her husband were motoring in the Lake District, and when descending Kirkstone Pass, near Patterdale, the tri-car descended at a terrific speed and collided with a wall. Mrs. Hetherington was seriously injured and was taken to Penrith Hospital, where she has succumbed to her injuries.

JONES.—On October 21, Mary E. Jones, widow of the late Mr. K. Lloyd Jones, chemist and druggist, Medical Hall, Connah's Quay, aged sixty.

NEALE.—At Chippenham, on October 20, Marianne, wife of Mr. Edgar Neale, chemist and druggist, aged fifty-six. Death took place after an operation.

PLUYGERS.—On October 21, at Rotterdam, Mr. Christian Pluygers, of Messrs. A. M. and C. Pluygers, wholesale druggists, Rotterdam, aged ninety-one. Mr. Pluygers was one of the founders of the firm, which was established in 1841.

SEARBY.—At San Francisco, on October 8, Professor William Martin Searby, pharmaceutical chemist and Dean



PROF. W. M. SEARBY.

of the California College of Pharmacy, aged seventy-four. Professor Searby was born in Lincolnshire in 1835, and while at school at Grantham made up his mind to become a chemist. As an earnest of that intention he translated in his playtime the London Pharmacopœia of 1836. He was apprenticed to a chemist at Boston in 1849, but his master died a month afterwards, and young Searby was transferred to Mr. E. W. Martin, of Guildford. While there he passed the pharmaceutical preliminary. In 1854 he passed the Minor, and the Major in 1855. He then went into partnership with his brother-in-law at Norwich, where he re-

mained until 1860, when he emigrated to Vancouver Island, carrying on a business there until 1866, when he moved to San Francisco. His pharmacy at the last-named city was destroyed in the earthquake and fire of 1906. He had been identified with the California College of Pharmacy since its formation, and had been at various periods trustee, president, professor of materia medica, and dean. He was President of the American Pharmaceutical Association in 1908, and had filled the same office in the California State Pharmaceutical Association. Professor Searby was also editor of the "Pacific Pharmacist." He is survived by a son and a daughter, his wife having died in 1906.

SHARP.—At Baltimore, on October 11, Mr. Alpheus P. Sharp, one of the founders of the firm of Sharp & Dohme, aged eighty-six. Mr. Sharp retired from active participation in the business in 1885. He received his pharmaceutical education at the Maryland College of Pharmacy.

WHITTAKER.—At 63 Katherine Street, Ashton-under-Lyne, on October 22, Mr. Herbert Whittaker, pharmacist, aged thirty-seven.

WILSON.—At Torquay, on October 13, Mr. George Wilson, chemist and druggist, formerly of York, aged eighty-nine.

WILSON.—Mr. Alexander W. Wilson, hotel-keeper, who died in Aberdeen on Friday, October 22, at the age of forty-one, early in life served his apprenticeship with Messrs. William Paterson & Sons, wholesale druggists, Aberdeen, and was afterwards in the employment of Messrs. Barron, Harvey & Co., London. Mr. Wilson returned to Aberdeen, and acted as an agent until he took over the Prince of Wales Hotel, which he relinquished in May owing to ill-health. Mr. Wilson is survived by his widow and three children.

Trade Notes.

JECOVOL, referred to in this column last week (p. 637), contains glycerophosphates, not hypophosphites. The price of the preparation is arranged to yield 33 per cent. profit to the seller.

FRENCH CODEX CHANGES.—Messrs. Pointet & Gerard, 2 rue Elzévir, Paris, have issued a pamphlet giving in abbreviated form notes of the changes that have been made in the standards and tests of the new Codex.

TYRAMINE is the registered name which Messrs. Burroughs Wellcome & Co. have given to the water-soluble ecboic principle of ergot parahydroxyphenylethylamine, the isolation and properties of which have been frequently reported on in the *C. & D.* The principle is now put on the market in tablets for hypodermic injection, each representing 0.005 gram of the substance.

BIRLEY'S PHOSPHORUS.—The proprietors, Messrs. Gordon, Murray & Co., Ltd., 10 Adam Street, Strand, London, W.C., announce in our advertising pages that they will allow special discounts off Birley's Phosphorus during November. There has been an alteration in the sizes of this speciality, and it is the intention to advertise this fact extensively. The sale should in this way be stimulated.

P.A.T.A. LIST.—The following are the October additions: Albulactin, Brisine, Cascarets, Hardy's Brompton Specific and other Specialities, Hobbs' Asparagus Pills, Johnson Bros.' Specialities, Kolynos Kosk Food, Le Page's Liquid Glue, Mucine Eye Remedies, No-To-Bac, Sanitas Spittoon, Tesco Soap, additional To-Kalon Preparations, and additional Zenobia Preparations.

MONTGOMERIE'S MALT EXTRACT.—Messrs. Montgomerie & Co., Ltd., Bernaline Factory, Ibrox, Glasgow, have decided to put on the market a malt-extract for chemists' sale. An interesting statement regarding the prevalence of adulteration in extract of malt is made in the company's announcement in our advertisement columns. For the protection of the public it is stated that legislative steps will be taken to endeavour to stop fraud in the manufacture of malt-extract.

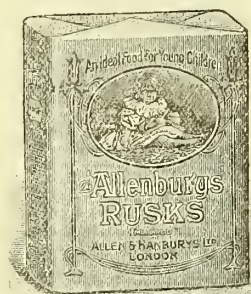
"MASSOLETTES."—In an advertisement on p. 4 of the *C. & D.*, October 23, giving a warning to the trade respecting

the use of the word "Massolettes," the name of the manufacturers should have appeared as "Arthur H. Cox & Co., Limited," of Brighton, who have registered the word "Massolettes" as a trade-mark. We have received from the company this week a specimen of the "Massolettes" show-card (14 in. long by 8 in. wide), which has Harrison's clever drawing of the Professor and Algy at the top, and the wording appended is effective and interesting. A copy of the card will be sent to any C. & D. subscriber who sends a post-card to Messrs. Cox for one.

NEW REMEDIES.—Messrs. Reitmeyer & Co., 63 Crutched Friars, London, E.C., send us samples of antisclerosin and diabeteserin, two new remedies prepared by the Natterer Pharmacy at Munich. Antisclerosin is a combination of salts intended to neutralise the effects of the perverted nutrition, which causes sclerosis of the arteries, by supplying the inorganic matter essential for the development and existence of the organism. Diabeteserin is a combination of eserine and the salts of Truneczek's serum, and is the outcome of the discoveries of Dr. Manfred Frankel. Both remedies are sent out in tablet form, the tablets being put up in tubes. Messrs. Reitmeyer supply literature dealing with the action of these drugs, which can be usefully placed before medical men who require to prescribe them.

NOVEL SERUM TREATMENT.—The American Animal Therapy Co., Ltd., have established an office in Carlton House, Regent Street, London, S.W., for the purpose of bringing before the medical profession of this country a series of preparations for the treatment of certain nervous disorders. An American medical authority has used extensively in such treatment (30,000 cases, we are informed) lymphoid compound and lymph serum. The compound is presented in capsules, and consists of a preparation of the lymphatic glands (testes), brain and spinal cord, with glycerophosphates of iron, sodium, and calcium, with or without strychnine and aloin. The lymph serum is in ampoules, and contains orchitic fluid, with extract from lymphatic glands, spinal cord, and brain, preserved with bichloride of gold and sodium. These preparations are to be strictly confined to prescription by medical practitioners through chemists, the compound retailing at 25s. per box, and the ampoules at five guineas. Further particulars may be obtained from the company.

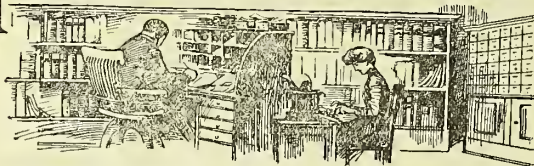
ALLENBURYS RUSKS.—Messrs. Allen & Hanburys, Ltd.,



Bethnal Green, London, E.C., have placed on the market a tasty variety of infants' rusks which have the advantage over similar biscuits in being malted. The rusks are large, flat, crisp biscuits, and are eaten either as they are or (in the case of infants who have passed the "Allenbury" bottle-food stages) after softening with milk. The dry rusks, being sufficiently hard, are useful for children when cutting the teeth. For adults the rusks are eaten as biscuits, either plain, buttered, or with cheese, or they can be made into a kind of custard pudding by the aid of milk and eggs. The rusks sell at 2s. 9d. per tin, the price being protected under the P.A.T.A. scheme.

N.W.D.A.—The thirty-fifth annual meeting of the National Wholesale Druggists' Association was held at Richmond, Va., on October 12. The President, Mr. F. L. Carter (Boston), in the course of his address dealt with the Food and Drug Acts, the fatal defect of which is that these laws do not apply to the dispensing of drugs by medical men. He stated that the consequence is that dispensing doctors buy only from those houses which give the largest quantity for the least money, and are not particular as to the standard of the preparations they use so long as the price is low. The President suggested that it should be made illegal for doctors to dispense the medicines they prescribe.

INFORMATION DEPARTMENT



The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

- 213/65. "Friction Fawland": where obtainable?
- 217/66A. What is "Comelac," and where obtainable?
- 218/69.—Where can the "Oxford" suspensory be obtained?
- 193/11. Wholesale dealers in "Iris Ware" for painting upon.
- 212/44. Where can "Motheica" and "Diola" be obtained?
- 209/64. Anti-meningitis serum (Flexner & Joblin). Where obtainable?
- 217/66B. "Pine Oil Food," a French preparation: where can it be obtained?
- 214/30. "Mazzone," used by motorists for cleaning the hands: where obtainable?
- 217/66. "Vin Museat Alexandria" (exhibited at White City): where obtainable?
- 215/44. Suppliers of Abyssinian gold-tipped "Hygiene" cigarettes for colds, asthma, etc.?
- 219/1. What is "Brunseo's Cough Syrup," a Continental medicine for chronic cough in horses?
- 213/12. Who makes artificial flowers (roses, violets, ferns, etc.) for buttonholes and for window-decoration?
- 215/62. Present address of the makers of "Van Coburn's Herbal Pills, P.B.," formerly of 32 Cromwell Road, Peterborough.

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

- | | |
|---|--|
| Abbott Alkaloidal Co. agents (213/64). | "Liveroids," proprietors (210/69). |
| Aracetin, supply (216/72). | Poppy growers, English and Continental (214/7). |
| Artificial flowers for window-display, makers (213/12). | "Somulax," proprietors (220/11). |
| Beeswax moulds, makers (207/52). | Textile journals, addresses (215/46). |
| Canadian drug journals, address (213/32). | Towle's chlorodyne, proprietors (212/69). |
| Continental chemists (assistant-ships) (219/17). | "Yasoleum," makers (212/73). |
| Cliff's Insecticide, makers (209/33). | "Veronelle" sour-milk apparatus (213/19). |
| Dried yeast, makers (213/31). | Whitworth Hird, address (211/57). |
| "Dusmo" makers (215/19). | William's (Dr.) Pink Pills, London agents (203/2). |
| Fellow's syrup, makers (215/31). | Window-display models (209/26). |
| Glass-bottle makers (209/66). | Zepto tartar-remover, suppliers (214/10). |
| "Glaxo" food, makers (211/1). | |
| Hogyes asbestos socks, makers (214/37). | |
| Icthyol plaster, makers (215/20). | |

THE EXPORTS OF INSECTICIDES (including insect-flowers) from Trieste during 1908 were 4,443 metrie quintals, against 4,066 m.q. in 1907; the United Kingdom received 342 m.q., against 482 m.q. in 1907. [Metrie quintal = 220.4 lb.]

Observations and Reflections.

By "Xrayser."

The "No Seconder"

result of Mr. Gifford's motion at the last meeting of the Pharmaceutical Council has aroused a certain amount of indignation in the trade at the supposed apathy, indifference, or cowardice of his colleagues. To at least one student of the proceedings it appeared to be gratifying evidence of their sanity. Three months ago, as we are reminded in an editorial article last week, Mr. Young and Mr. Gifford were competing for the glory of leading the Council into a hopeless legal contest. Something was apparently revealed in committee which took all the fever out of twenty of the previously unanimous fire-eaters, and the proposed action was dropped. This gave Mr. Gifford his chance. Still standing on the deck "whence all but he had fled," he called on the Council to demand of H.M. Ministers that they should issue a circular to local authorities telling them that the Statute which had been put into their hands for administration was an imperfect one, and that they must read into it some observations which had been made about it by Lord Crewe and Mr. Samuel in the course of the discussions upon it. Some critics say that the policy of the present Government tends too much already towards "bureaucraticism"; but they have hardly reached the point of declaring that words spoken by any one of themselves are to be regarded as sacrosanct and *super legem*.

The Statute, and that Alone,

expresses constitutionally the will of Parliament, and what Lord Crewe and Mr. Samuel may have said about it when they were trying to get it enacted is of no constructive importance at all. If those politicians misled the Pharmaceutical Council by diplomatic assurances which have proved fallacious, there is no compensation except that of not trusting them again. Mr. Gadd suggests that the promises might be redeemed by new regulations framed by the Privy Council. Possibly; but the regulations must not modify or contravene the terms of the Statute, and it could be forcibly argued that a condition precluding the grant of a licence to any person trading within a mile of a pharmacy would, in fact, fetter the discretion expressly reserved to the licensing authority. In any case it would be useless to ask for any such regulation from the Privy Council unless it could be shown that the public safety was in actual danger from the existing conditions. Meanwhile it is evidently being realised that

The Balance of Benefit

from last year's legislation is not in favour of chemists. Mr. Ridley's letter manifests this opinion unmistakably. No doubt chemists in his county have been hit rather severely, but it must be added that the "thousands" of them there and elsewhere who, he informs us, have acquired such an important trade in sheep-dips and insecticides might have been expected to demonstrate with rather more vigour than they did when the Government Bill was under consideration. A communication from one thousand, or even from one hundred, chemists directly affected would have had great influence then, and might have encouraged a firm resistance at a critical moment until Lord Crewe's and Mr. Samuel's amiable promises had been incorporated into the Bill. But that milk is spilt now, and probably the best course remaining is for the chemists concerned to meet their new competition with intelligent vigour. It can hardly be doubted that an increased number of sellers of insecticides will stimulate

the trade in these articles, and it may well happen that chemists who have fitted themselves for the trade in them will find it an even more important asset than it ever was.

The Announcement

that Mr. Joseph Beecham has joined the Pears directorate may be said to be an item of national interest. Pills and Soap are often coupled in sociological essays as typical of modern enterprise, and the phrase always means Beecham's Pills and Pears' Soap. These two firms have almost contemporaneously proved to the world the mighty power of advertising. It had been discovered before they used it, but nobody had previously tested it to half the extent of either of these manufacturers. Other firms have since surpassed their expenditure for a time, but none have been so persistent, and doubtless in the aggregate no one has spent anything like as much as Pears or Beecham. Both firms have introduced many striking subsidiary forms of advertising, and the superlative merits of their respective products may be, and have been by themselves as a rule, taken for granted. And here comes in the psychological fact which they have established. Instead of declaring the virtues of the articles they offer, they have aimed, apparently, simply to connect soap and pills with their names. Not many customers could tell what was the representation which first induced them to buy Beecham's pills or Pears' soap rather than other pills or soap. Presumably the human mind is influenced enormously by association. You want pills or soap, and you almost automatically ask for one of these familiar articles, and the firms mentioned have backed their belief in this psychological tendency by the expenditure of millions.

Advertisers

are not invariably wicked people, though there is a fixed impression in certain quarters that it is impossible for anyone to advertise a medicine and to retain his integrity. The recent little incident of the refusal of the "British Medical Journal's" advertisement of its book reporting the analyses of a number of secret remedies has been used to suggest that the patent-medicine men have reduced a large section of the London Press to servility. Probably the sub-managers of the papers accused thought the thing looked dangerous, and did not care to risk ten thousand pounds for a sovereign. But the "Westminster Gazette's" revelation of the attempt on its virtue by a theatre manager, which has turned up since, has been exploited by most of the other papers with the view of showing, I suppose, that they, too, are on the side of the angels. The theatre manager stopped his advertisements of a certain play in the "Westminster" after that journal had twice written depreciatingly concerning it. It was surely legitimate for him to judge whether, under those circumstances, it would pay to spend money to invite the "Westminster" readers to come to see the play. But he foolishly gave his reason for withdrawing his advertisement, and the "Westminster" ungenerously published his letter. Ungenerously is not quite the word I want, but I cannot think of the right one. No one doubts the Sea-Green Incorruptible's perfect righteousness, and, for that matter, no great advertiser seriously thinks of blackmailing a respectable journal; but the offence in this instance which strikes me as the most flagrant one is that of printing a letter presumably not written for publication. Newspapers have a giant's power in their controversies with individuals in their opportunities of suppressing or exposing statements as it may suit their purpose, and the consequence is that they generally come out at the top.

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See pages 12 and 13.

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"Pharmacy."

"It is understood that the case of the Pharmaceutical Society v. Mercer, decided by Judge Shand at St. Helens, is a test or arranged case, which the Society are eager to be carried to appeal. It was engendered by the desire to limit the use of the word 'Pharmacy' to pharmacists, and is an endeavour to placate those who considered that the Society had done wrong in not getting the word reserved in the new Act. The decision so cleverly obtained, with an object that may be regarded as praiseworthy, will singularly fail in its avowed purpose, since the effect of it is to restrict the use of the word 'Pharmacy,' as a description of premises, to pharmaceutical chemists, and the consequences may be worse if the decision is reversed on appeal. . . . The defendant in the action is not a pharmaceutical chemist, nor is he a registered chemist and druggist—he is what is termed an 'unqualified person'—but so far as the decision is concerned the qualification that was lacking was that of 'pharmaceutical chemist,' and the decision means equally that registered chemists and druggists may not lawfully describe the premises where they carry on business by the word 'Pharmacy.' . . . Section 3 of the 1908 Act simply relieves chemists and druggists of the Section 15 penalty, and does not extend to Section 12 of the 1852 Act, therefore the penalty imposed by the latter is incurred by chemists and druggists who infringe its provisions by using the word 'Pharmacy.' This was to be expected, and was expected by some of those who knew that the proceedings were being taken. Success in the action necessarily implied misfortune to the majority of pharmacists in Great Britain. The Society hit at unqualified persons and companies, and the blow has struck pharmacists as hard as it does their competitors. Nor is there much chance of remedy, so far as pharmacists are concerned, for if the decision is reversed on appeal it will give authoritative sanction to the use of the word 'Pharmacy' by anybody, and the last state will be worse than the first."—"C. & D." Editorial, April 10, 1909.

THE case came before the Divisional Court of King's Bench on Thursday of this week, on appeal by the defendant, and the appeal was allowed, the Court holding that the words "The Pharmacy" described a place and not a man. The action affects the use of "Pharmacy" by chemists and druggists, as well as by unqualified persons. An influential minority of the Pharmaceutical Council were strongly against action being taken in the first instance, and this was backed by legal advice. The minority's attitude is for the present justified, and the correctness of the legal advice depends upon the further appeal which has been allowed. Thursday's decision narrows down the question which the Court of Appeal has to answer. This Court has so recently laid down the principle in *Bellerby v. Heyworth and Brown* (see *C. & D.*, 1909, I., 820 and 828) that it can be little short of miraculous if it should reverse Thursday's judgment. The majority on the Council were encouraged to go on with the case by the decision in *Barnes v. Brown*, which the *Bellerby* case condemned and virtually reversed, holding that the Scotch Court's decision in *Elmslie v. Paterson* was sounder law. All this means that the description of a place, although like to that of a man and restricted to him by law, is not an infringement of the personal title. The matter now stands "As we were," so that those who have not hitherto described their places of business as pharmacies would be foolish to do so now in consequence of Thursday's judgment.

The Opium Commission.

WE are informed that owing to the fact that so few copies are at present available the Foreign Office has been unable as yet to redeem the promise which was made last week by its representative in the House of Commons that two copies of the report of the International Opium Commission should be placed in the library of the House of Commons for the use of members. From a perusal of the report of the proceedings, however, we find that the following resolution relating to the manufacture and sale of morphine was adopted by the Commissioners :

"That the International Opium Commission finds that the unrestricted manufacture, sale, and distribution of morphine already constitute a grave danger, and that the morphine-habit shows signs of spreading. The International Opium Commission therefore desires to urge strongly on all Governments that it is highly important that drastic measures should be taken by each Government in its own territories and possessions to control the manufacture, sale, and distribution of this drug, and also of such other derivatives of opium as may appear on scientific inquiry to be liable to similar abuse and productive of like ill effects."

The Commission further suggested that the various Governments should be urged to undertake the investigation from a scientific point of view of anti-opium remedies and of the properties and effects of opium and its products, and expressed the opinion that it was the duty of all countries to adopt reasonable measures to prevent at ports of departure the shipment of opium, its alkaloids, derivatives, and preparations to any country which prohibited the entry of any opium, its alkaloids, derivatives, and preparations. They also found that the use of opium in any form otherwise than for medical purposes was held by almost every participating country to be a matter for prohibition or careful regulation. Another important resolution was that each delegation should move its Government to apply its pharmacy laws to its subjects in the consular districts, concessions, and settlements in China. In presenting a report on the opium and morphine question as it concerned India and Burma Mr. J. B. Brungate—a British delegate—at the fifth session of the Commission, stated that the morphine habit is of comparatively recent growth in India, and as soon as the attention of the Government had been attracted to the use of the drug for other than medicinal purposes steps were taken to hinder any further expansion. Its use is confined principally to the large centres, and it does not seem to grow in favour with such rapidity as cocaine, against which prohibitory action had been taken. The quantity of morphine which anyone may legally possess—and then only for medicinal purposes—is now limited in India to 10 grains, and in Burma to 5 grains. The possession of morphine by medical practitioners and druggists has also been regulated. Speaking of morphine, at another sitting, Mr. T'ang—one of the Chinese delegates—said enormous quantities of the drug were being imported clandestinely into China. He also urged the necessity for immediate action to curtail the spread of so-called anti-opium remedies, as most of them contain opium in some form or other.

From the official minutes of the proceedings it appears that the resolution relating to the manufacture, sale, and distribution of morphine was brought forward by Dr. Hamilton Wright, one of the American delegates. The chairman drew attention to the fact that a similar resolution had been drawn up by the British delegation, and this was accepted with slight verbal alterations. M. Ratard (France) asked whether the words "the manufacture" were absolutely necessary. Sir Cecil Clementi Smith (Great Britain) thought that they should be retained. On

the suggestion of Mr. Miyaoka the words "among people in the East and elsewhere" were omitted, and the resolution, as amended, agreed to.

The White Cross Congress.

THE second International Congress for the repression of adulteration, known as the White Cross Congress, which was held in Paris last week, was organised by a French Committee, with the support of the Society of the White Cross of Geneva. This Society was formed in 1908, with the object of grouping by international organisation the various national efforts for the physical and social well-being of the masses and to prevent the spread of disease and destitution in every form. The dangers of adulteration, and the comparatively futile nature of the isolated attempts made by various countries to check this abuse in their own territory, led the Society to place the international codification and unification of standards of purity in the forefront of the movement; and the widespread interest shown in its objects, and the numerous promises of official and other support received from all quarters, seemed to authorize the publication of a programme of four consecutive annual and international Congresses. The first Congress (held last year at Geneva) was devoted principally to the "Definitions of Purity." The Paris Congress was called to consider chiefly "Permissible Operations or Manipulations." The third Congress, to be held at The Hague in 1910, is to discuss "Alimentary Chemistry and Hygiene." The fourth Congress is to be held in London in 1911, and will study "Legislation for the Repression of Adulteration." The programme is subject to alteration and addition as circumstances may dictate, the object of the White Cross Society being rather to group the various national movements in one vast effort than to confine their course within strictly defined limits. For instance, while definitions of many alimentary substances were proposed and voted at Geneva, drugs, etc., were comparatively neglected until towards the end of the proceedings. The Paris Congress had, therefore, to consider the definitions of drugs, essential oils, and crude aromatic substances and chemicals which were submitted to the Geneva Congress. "Mineral waters," natural and artificial, were duly "defined" at Geneva, but the definitions voted have been criticised and need not necessarily be taken as conclusive. The possibility of contamination and all manipulations which lessen the therapeutical effects of the waters have to be guarded against, while leaving a certain margin of freedom for the necessary legitimate processes of "handling" (transport, bottling, decanting, and carbonating). The real importance attached to the action of the Congress is indicated by the large number of those interested in the French mineral-water trade whose names figured on the committee of the third section. The international importance of the Congress decisions is sufficiently illustrated by two protests handed in this year against the 1908 definition of pure ice. The Congress voted that "natural ice harvested on rivers, canals, lakes, etc., retains all the germs existing in the water." The English Cold-storage and Ice Association pointed out that there is no ground for doubting the purity of Norway ice, and that the resolution is of too sweeping a character; while the Massachusetts Ice Association handed in an indignant "resolution" declaring that the definitions of the 1908 Congress are "misleading, not well founded, contrary to the highest scientific authorities, and, with respect to most of the natural ice harvested in America, are false." These protests also emphasise the serious side of international

standards being arrived at without complete participation in their determination by countries affected. Mr. J. C. Umney's criticism of the proposed drug and oil standards, printed in *THE CHEMIST AND DRUGGIST* of October 9, was a complete exemplification of the danger to international commerce which may arise from imperfect discussion of proposals formulated in one country. The proposals are, of course, tentative, but that fact does not diminish the necessity for their consideration and discussion by the commercial men and experts interested. For that, among other reasons, we have published reports of the proceedings in Paris, in the hope that chemists and pharmacists in this country may be informed of the nature of the work in which they will be called upon to participate more intimately two years hence. It is evident that to become "International" each country must accept the White Cross Congress standards also as "National," as it would be out of the question to have one standard of purity for home consumption and another for export. Consequently, it would appear that the Congress can, on the whole, be considered mainly as a step forward in a desirable direction. The standards which have been adopted at Paris are, to a great extent, French ones, therefore it is to be anticipated that before the proposals can be of any great practical use, various modifications may be found necessary. In saying this we do not fail to appreciate the work accomplished by the various Committees of the Congress in Paris, for evidently that perfection which we can all aim at is difficult to reach at one bound, even by the able men who were at work in Paris last week.

India's Foreign Trade.

SINCE Mr. Noel-Paton, the Director-General of Commercial Intelligence, took over the compilation of the annual review of the trade of India a marked improvement has taken place in it. Formerly the review mostly comprised the dry bones of statistics alone, but Mr. Noel-Paton in the report for the official year ended March 31, 1909, manages to compress a mass of information into small compass, although his statements, especially as regards drugs and chemicals, are perhaps open to criticism. A number of circumstances, which Mr. Noel-Paton enumerates, combined to cause a trade depression in 1903 which was universally felt, and which naturally had malign effects upon India's trade. This is of particular interest because, although the trading power of India depends on the success of its crops, it is impossible to understand the present phase of Indian trade without knowing the trade conditions which have ruled throughout the world. It is not surprising, therefore, that the sea-borne trade of our great Dependency showed a falling-off, but the actual decrease recorded was, in fact, less than might have been anticipated. The following figures give (in thousands) the exports and imports for 1908-9 as compared with those of the two previous years:

	EXPORTS.		
	1908-9 £	1907-8 £	1906-7 £
Indian merchandise ...	115,388	115,652	99,883
Foreign merchandise ...	2,325	2,512	2,114
Re-exported gold ...	2,452	2,257	2,459
Silver ...	1,357	1,374	1,512
Total exports ...	121,520	121,795	105,968
	IMPORTS.		
	1908-9 £	1907-8 £	1906-7 £
Merchandise ...	72,205	86,597	80,844
Gold ...	12,314	13,823	5,603
Silver ...	5,820	8,057	9,485
Total imports ...	90,339	108,477	95,932
Grand total ...	211,859	230,272	201,900

(000's omitted.)

It will be seen from the above figures that the total fell off by 12.3 per cent., and that the exports, which represent 52.5 per cent. of the grand total, declined 13 per cent. as compared with 1907-8, while the imports were 11.6 per cent. less. The greater portion of India's exports consists of native produce, and the shrinkage of 15,770,000*l.* (13.6 per cent.) is mostly due to the smaller exports of wheat and rice as the result of partial failure of crops. Confining ourselves to chemical, drug, and allied produce, the shipments are compared as follows:

	1906-7 £	1907-8 £	1908-9 £
Seeds ...	8,681	11,210	7,785
Opium ...	6,205	5,782	6,233
Lac ...	2,333	2,722	1,863
Oils ...	466	572	630
Spices ...	401	351	390
Indigo ...	467	425	327
Chemicals, drugs, dyeing, tanning materials, &c.	7,705	7,359	7,649

(000's omitted.)

Practically the only chemical exported is saltpetre, the trade in which is increasing; exports amounting to 400,271 cwt., valued at 302,300*l.*, as against 363,954 cwt., valued at 279,000*l.*, in 1907-8. Borax is a declining industry, only 2,741 cwt. (3,493*l.*) having been exported, as against 5,247 cwt. (7,200*l.*) in the previous year. As regards opium a curious fact is that the total quantity shipped from Bengal and Bombay increased by 3,197 chests, or 5 per cent., to 66,957 chests, representing a value of 6,233,000*l.* Of the above, Hong-Kong received 36,964 chests, or 2,321 chests more, while shipments to the Straits Settlements declined by 2,021 chests, to 11,174 chests. China (exclusive of Hong-Kong and Macao) received 15,794 chests, or 2,688 chests more. The limits as regards exports of Malwa opium to China had been fixed at 15,100 chests for 1908, 13,600 chests for 1909, and 12,100 chests for 1910. The limit for 1909 was reached as early as August, and in order to secure priority for shipment in 1909 holders pushed opium forward into the Government warehouses in Bombay and paid the duty in advance. Passing over tobacco, which is included in this section, we turn to indigo, the paragraph about which has a more hopeful tone in regard to the future as contrasted with the previous melancholy reports. Planters, it appears, have been gradually improving their manufacturing process, and Mr. Noel-Paton believes that, with a good crop, natural indigo could now be sold at a rate little, if at all, exceeding that of synthetic. Another fact is that consumers appear to have recognised definitely that in certain classes of work the synthetic product cannot compete. Perhaps the truth of these remarks will become evident in future years, as the planter knows that he is fighting for his existence. In the year under review the rate of decline in quantity was 23.2 per cent. and in value 23 per cent., the total exports being 24,946 chests, valued at 327,000*l.*, the average price being 20*l.* 10*s.* 8*d.* per cwt. The United Kingdom increased her imports by 9.9 per cent., to 10,209 cwt., but the Continent declined from 8,083 cwt. to 4,505 cwt., and Egypt took 47.8 per cent. less. Asiatic Turkey received practically the same (3,309 cwt.), the Persian demand naturally declined, Japan improved from 343 cwt. to 804 cwt., and the United States reduced her imports from 1,417 cwt. to 1,295 cwt. Exports of myrabolans declined by 1.8 per cent. in quantity and 3 per cent. in value, cutch fell away by 31.5 per cent. in quantity and 36.1 per cent. in value, but the exports of turmeric show a further increase of 10.3 per cent. in quantity (total shipments 91,416 cwt., valued at 64,000*l.*), though values declined by 3.2 per cent. Oils are again on the upward trend. Coconut, the largest of the vegetable group, increased by 134.8 per cent., to 268,800*l.*, owing to excep-

tionally favourable homo markets. Castor oil declined 33.7 per cent. to 99,000 $\frac{1}{2}$., while linseed, mustard, and sesame oils fell from 63,000 $\frac{1}{2}$. to 46,400 $\frac{1}{2}$. Essential oils, which usually figure at about 12 per cent. of the whole, fell from 59,000 $\frac{1}{2}$. to 43,300 $\frac{1}{2}$. Paraffin wax now stands at 92,846 cwt. (146,600 $\frac{1}{2}$.), in place of 87,564 cwt. (131,300 $\frac{1}{2}$.). India has been eclipsed by the Argentine and Russia as regards linseed, the largest buyers being the United Kingdom (715,000 $\frac{1}{2}$.). Germany, Belgium, and France are the largest buyers of rape seed. Sesame goes chiefly to France and Austria-Hungary, poppy seed to France and Belgium, castor and cotton to the United Kingdom, and ground-nuts to France. Oil-seeds are feeling the competition of the soy-bean from China, but efforts are being made to develop the Indian supply. Although the exports of shellac increased by 16 per cent. in quantity, values declined 25.8 per cent. Button lac, on the other hand, fell 20.5 per cent. in quantity and 50.2 per cent. in value. The United States continues to be the chief buyer, her purchases being 740,800 $\frac{1}{2}$., as against 896,300 $\frac{1}{2}$. in 1907-8; the United Kingdom followed with 505,500 $\frac{1}{2}$., as against 793,500 $\frac{1}{2}$.; and Germany took third place, with 382,100 $\frac{1}{2}$., as against 657,200 $\frac{1}{2}$. in 1907-8. As regards general distribution of the export trade, it is satisfactory to find that in an adverse year the share of the United Kingdom (24 per cent.) declined only 2 per cent., mainly in consequence of smaller shipments of cotton, wheat, and seeds. China was India's second best customer (12 per cent.), the large exports of yarn and opium raising her to this position. Germany now falls from second to third, with 10 per cent., and the United States takes fourth place with 8.8 per cent.; France, Japan, Belgium, etc., following in the order named.

Chemists' Assistants' Hours.

There was a discussion last week by the Executive of the North British Branch of the Pharmaceutical Society on Mr. Gladstone's Shops Bill, and it was resolved that chemists' shops should not be exempted from its provisions. The members seemed to be a little hazy as to what the Bill provides, and it may be useful to recite the facts. First, the Bill proposes that shop assistants shall not be employed more than sixty hours (exclusive of meal times) in any week, or after eight o'clock in the evening on more than three days in any week. In order to insure that the public will get medicines or medical and surgical appliances at all hours, Clause 23 provides that:

(1) Where the sale of medicines or medical or surgical appliances is carried on in any shop, so much of Part I. of this Act as prohibits the employment of a person after eight o'clock in the evening on more than three days in the week shall not apply as respects shop assistants employed for the purposes of such sale.

(2) Nothing in this Act shall prevent customers being served with medicines or medical or surgical appliances on any week day after the hour at which the shop in which they are sold is required to be closed by or under Part II. of this Act, or on Sunday, or shall prevent a shop assistant so serving customers notwithstanding that he may be employed for the purpose contrary to the provisions of Part I. of this Act.

This looks like taking away with one hand what is given with the other; but it should be observed that chemists' shops are to be subject (if the Bill passes) to the General Closing Order, which will naturally be eight o'clock, as these shops are not to be included among the exempted class (tobacconists, public houses, etc.). The effect of the closing will be to make assistants' hours daily up to eight o'clock, unless on the late nights, the early-closing day, and Sunday. For the sale of everything the shops will be closed, but medicines

or medical and surgical appliances may be served after the closing hour. Therefore, a condition will be established which will require the minimum amount of assistance, and there should be little difficulty in chemists conforming to the Act as regards the sixty hours' week, although they will not be prosecuted if they employ assistants longer in order to serve medicines or medical and surgical appliances after the closing hour.

A Case for Worry.

We reprint the following from the last issue of the "Bulletin" published by Messrs. Potter & Clarke, Ltd., Artillery Row, E.:

NO NEED TO WORRY.

The following has been received by several Unregistered Druggists in North London.

POISONS AND PHARMACY ACT, 1908.

DEAR SIR,—It is represented to me that on a recent inspection of your shop there was not conspicuously exhibited therein, as required by Section 3 of the above-named Act of Parliament, the certificate of the person by whom the business is conducted.

Kindly favour me with your observations as to the representation which has been made to me, and oblige, Yours faithfully,

RICHARD BREMRIDGE, Registrar.

Our Mr. Henry A. Potter had an interview with Mr. Richard Bremridge, Registrar of the Pharmaceutical Society, and was courteously informed that this letter is being sent out to many drug stores and herbalists that look like a chemist's shop, the object being to keep registered chemists within the Act.

Providing the proprietors are *not* carrying on the business of a chemist and druggist—that is, are not selling or dispensing scheduled poisons—no notice need be taken of the matter, or a letter may be sent to the Registrar of the Pharmaceutical Society, stating that the notice has been sent in error, as the proprietor is not a registered chemist and does not keep or sell scheduled poisons.

Now if Mr. Bremridge would turn his inspectors on to the shops of persons licensed under Section 2 of the Act, and write similar courteous letters to those who are not conforming to the conditions upon which they hold their licences, he would do good service to the public and the trade. The certificate business will be none the worse for a rest, it has brought the Society a lot of guineas and shillings, but what chemists want at present is help to combat a new evil which threatens to grow. The Pharmaceutical Society, as the body charged with the administration of the Pharmacy Acts, should give that help, and while the Council allows its powers and influence to remain in abeyance chemists have to fight the harder to get their rights.

OPIMUM IN THE MALAY STATES.

The Under-Secretary for Foreign Affairs informed Sir Henry Cotton on Monday, in the House of Commons, that the duty on opium imported into the Federated Malay States is determined by the additional article of 1885 of the Chefu Convention, which fixed the import duty at 30 taels per chest of one picul, to which is added a further 80 taels for likin, making a total of 110 taels. This works out, at the present rate of exchange, at about 12 $\frac{1}{2}$ 17s. a chest.

The Under-Secretary of State for India informed Sir Herbert Roberts on Tuesday that the consumption of opium in the Assam Valley districts has increased of late years. With a view to restrict the consumption the number of shops has been reduced from 690, in 1904-5, to 445, in 1908-9, and the price of opium was raised from April 1 last.

Chemical Society.

THE first meeting of the session was held at Burlington House on Thursday evening, October 21, when the chair was taken by Professor H. B. Dixon, F.R.S. There was a large attendance, attracted by the announcement that Professor W. A. Tilden would deliver the

MENDELÉEFF MEMORIAL LECTURE.

In calling upon Dr. Tilden, the President congratulated him, on behalf of the Society, on his restoration to health and on the honour just conferred on him by his old college at Birmingham. Dr. Tilden began by pointing out that Mendeléeff owed his first impulse to science to his mother. His father, Ivan Mendeléeff, was a lecturer at the Pedagogic Institute of the University of St. Petersburg, and while there he married Maria Dmitrijevna, the daughter of a Siberian merchant, who owned a paper-works and a glassworks at Tobolsk, in Siberia. Later on, at the earnest desire of his wife, the father applied for and obtained the post of Director of the Tobolsk Gymnasium, and there, on January 27, 1854, was born Dmitri Ivanovitch, their fourteenth and youngest child, who lived to become so famous



PROFESSOR MENDELÉEFF.

as a chemist. Mendeléeff's mother was an intelligent and capable woman, and it is related of her that she received no school education, but acquired all the book-knowledge she obtained in her youth by learning her brother's lessons. At Tobolsk their house was a meeting-place for all the more cultured people in the neighbourhood, and when, later on, her husband became blind in both eyes through cataract, it was she who eked out the slender Government pension of 300 roubles by managing a glass-factory belonging to one of her brothers. The future chemist attended the local Gymnasium till he was fourteen, and during this period the fortunes of the family reached their lowest, for the father died and the glass-factory was destroyed by fire. When Dmitri was fifteen Mme. Mendeléeff moved with him and his sister Elizabeth to Moscow, where she hoped to enter him as a Government student at the University, but the application was not favourably received. Some months later a similar application at St. Petersburg seemed also likely to fail, but through the influence of a former friend of his father's, Dmitri was admitted as a Government pensioner to the Mathematical-Physical Faculty of the Pedagogic Institute, where he eventually graduated. At the beginning of his professional life he held several teaching posts, but about 1855 he developed a serious lung-disease, and his physicians thought he had only a few months to live. He obtained, however, a post at Simferopol, in the Crimea, and in the mild climate of the South he rapidly recovered his health. On the outbreak of the Crimean War he moved to the Gymnasium at Odessa, and in 1856 returned to St. Petersburg, presented a thesis on the constitution of silicon compounds, and took his degree. In 1859 he was sent abroad, at the cost of the Government, to study chemistry, and spent some time in the laboratories of Regnault (Paris) and of Bunsen and Kirchhoff (Heidelberg). In 1861 he resumed his studies at St. Petersburg, and four years later he was made Doctor of Chemistry and Extraordinary Professor of Technical Chemistry at the University, and in 1867 he received the Chair of Organic Chemistry on the death of his old master Woskresesewsky; so that at the early age of

thirty-three he had obtained the best chemical post in the Russian Empire. He retained this till 1890. In that year there was a series of disturbances among the students, and Mendeléeff succeeded in quieting these by offering to present a students' petition to the Minister of Education. Instead of being thanked for his services Mendeléeff was severely reprimanded by the authorities, and in consequence he resigned; but, said the lecturer, this was probably only the last of a series of differences caused mainly by Mendeléeff's unsparing denunciation of the classical system of education encouraged by the Department. Soon after he was made Director of the Bureau of Weights and Measures, and this post he retained till his death on January 20, 1907.

Mendeléeff's chemical work covered a very wide range, but probably the three most important series of investigations he completed are those on solutions, Russian petroleum, and the periodicity of the elements. The last-named is now, said Dr. Tilden, a commonplace of every text-book and every course of chemistry lectures, and is Mendeléeff's most abiding monument. At this point the lecturer interposed a *résumé* of the position of chemistry at the date of the introduction of the periodic table and a review of recent work as it affected Mendeléeff's generalisation. His published papers also deal with cheese-manufacture, soil-analysis, manuring, verification of weights and measures, a new form of barometer, iron ores of Orloff, spiritualism, lamps for heavy petroleum, organisation of factories, smokeless powders, and a chemical conception of the ether. His "Principles of Chemistry" was published in Russia in 1868, and the first English edition appeared in 1891.

Mendeléeff had strong views on the subject of education, and his detestation of the classical system, officially encouraged in Russia, was several times referred to; and in this connection his famous dictum that "the modern world could do very well without Plato" was mentioned. An interesting note from Prince Kropotkin on Mendeléeff's lectures was read. In this the veteran agitator said that the lectures were a revelation to him. The professor gave all sides of a question and was wont to digress on interesting points in his lectures as he did in the footnotes to his "Principles."

Mendeléeff had many interests besides science; his favourite music was that of Beethoven, his most cherished authors Jules Verne, Fenimore Cooper, and Lord Byron. Jules Verne's books he was never tired of reading or having read to him, and the "Voyage to the Moon" was read to him the day he died. Perhaps his chief recreation was visiting picture galleries, and there is extant a letter of his to a Russian journal asserting that the rise of landscape-painting coincided with the abandonment of classicism in the schools and the devotion of greater attention to Nature and the study of science. He rarely went to the theatre, and did his best to prevent his family enjoying this diversion, which, he thought, led its devotees to turn their attention to little things and tended to prevent concentration of thought. He was a leader of the Feminist movement in Russia, and though he affirmed that women were of inferior intellect, he thought that they were better fitted than men for the prosecution of the arts and for teaching. In politics he has been described as an "absolute monarchist," but he called himself an "evolutionist" and said he foresaw a form of government which would have for its sole object the greatest good to the greatest number. Mendeléeff was a frequent visitor to this country, and it was here that the importance of his work was best recognised. He received the Davy and the Copley medals of the Royal Society and the Faraday medal of the Chemical Society. It was all the more remarkable, therefore, that he never became a member of the St. Petersburg Academy of Sciences.

Dr. Tilden recalled a number of stories of the master, e.g., The Professor always wore his hair long, and had it cut once a year—in the springtime. When he was to be presented to the Czar Alexander III., the latter is said to have suggested that he should have his hair cut for the occasion, but the Professor was obdurate and appeared at Court with his hair as usual.

At the conclusion of the lecture a vote of thanks was proposed by Sir Edward Thorpe, seconded by Sir W. Ramsay, and put to the meeting by the President. All three had also pleasant little stories to tell of Mendeléeff. As it was nearly 10.30 at this stage, the thirty-odd papers down for reading were "taken as read."

The White Cross Congress.

THIS International Anti-Adulteration Congress terminated its second meeting in Paris on Saturday, October 23, by a general session, at which Dr. Bordas presided. He thanked foreign Governments who had co-operated officially in the important work of combating adulteration. M. Vuille, the Vice-President, also spoke, and some of the foreign delegates referred in most appreciative terms to the international value of the Congress. They also returned warm thanks for the hospitality they had received in Paris. We last week reported the proceedings up to Wednesday morning, October 20, and now resume our report with further notes on the discussion regarding

Standards for Essential Oils.

This commenced on the Wednesday morning, when Professor Perrot, of the Paris Superior School of Pharmacy, took the chair, and was supported by M. Fayolle and M. Justin Dupont, who are respectively charged with the drawing-up of the reports of the third section of the Essential Oils Sub-section. Among those present were MM. Pillet (Chairman of the French Essential Oils Association), Baube, and Dupont, who represented the French commercial interest. M. Dufour, representative of Sachsse & Co., of Leipzig (who spoke French with remarkable fluency, and was evidently *persona grata* with the whole meeting), "watched the case" on behalf of Germany; M. Jonas Hanart, of Brussels, and M. Schamelhout acted in the same capacity for Belgium. The observations of Mr. John C. Umney, reprinted from THE CHEMIST AND DRUGGIST, were in the hands of those interested, and were compared whenever occasion arose with the long and elaborate document presented by Messrs. Schimmel & Co. and the report of Roure-Bertrand fils, of Grasse, and the text proposed by the French Committee. Thus many hands made light work, and the debate took a quiet, businesslike form; and "record" work was done. The scientific element was represented by Professor Armand Gautier and Domergue, Drs. Carles (Bordeaux) and Tison, MM. Dumesnil, Chevalier, Leprince, Mathurin, Lutz, Goris, and Damar, working in friendly contact with the commercial element. Dr. Seymour Chapman was also present. The actual results may be summarised as follows:

Anethol.—Point of solidification accurately fixed.
Aniseed Oil.—Badiane oil not to be substituted.
Bergamot Oil.—30 per cent. minimum for esters.
Chinese Cinnamon Oil.—70 per cent. minimum for cinnamic aldehyde.
Lemon Oil.—Addition of water-bath residue to characteristics already proposed.
Wintergreen Oil.—*Betula lenta* as well as *B. procumbens* may be described as natural wintergreen.
Lavender Oil.—28 per cent. minimum of esters.
Neroli Oil.—Saponification number added to standard proposed by French delegates (proposition of M. Jonas Hanart).
Rose, Otto.—Solidification-point fixed at 17° to 23° C (proposal of Roure-Bertrand fils).
Rue Oil.—Minimum solidification-point, 7° C., as proposed by French delegates.
Savin Oil.—Saponification-number added and solubility in alcohol fixed.
Sandalwood Oil gave rise to the liveliest discussion, MM. Dufour and Jonas Hanart considering that the minimum rotation for 100 mm. should be -16° and -13° C. MM. Baube and Dupont considered -10° sufficient, and this was carried. It is understood that such a slight deviation is exceptional; but it may be met with, especially in oils of sesquiterpene character. In this case, as in all others, the Congress kept in view that it was desirable to avoid any chance of pure oils, really produced by distillation of the wood of *Santalum album*, being stigmatised as adulterated.
Thyme Oil.—The maximum of phenols was fixed at 65 per cent., and solubility in alcohol was added as a characteristic.

In accordance with the desire expressed by Messrs. Schimmel & Co. and M. Jonas Hanart, it was decided that at the next meeting Ceylon cinnamon oils and bitter-orange oil should be considered.

Two resolutions (proposed by M. Mathurin) were unanimously voted, viz.:

(1) The denomination sandalwood oil is only applicable to oil obtained from *Santalum album*, and ought not to be used to designate the oil of *Amyris balsamifera*, incorrectly termed in the trade "West Indian Sandalwood Oil" (proposed by M. Mathurin).

(2) The application of the term "essential oils" to definite chemical products, whether extracted from essential oils or synthetically prepared, shall be prohibited (proposed by M. Schamelhout).

The meeting terminated at 12.30 by an exchange of compliments, M. Perrot paying a well-earned tribute to the friendly and speedy manner in which his auditors had discussed the subject. M. Jonas Hanart, replying in the name of foreign delegates, pointed out that it was really the careful and complete preliminary work of the French committee which had rendered so much amicable and fruitful discussion possible in such a short time.

Chatting with one of the leading delegates after the meeting the *C. & D.* Paris correspondent learned that some doubt existed in his mind as to whether printed papers, handed in before the Congress took place, deserved the same notice as the observations of members who were closely following the discussion. Sir Roger de Coverley remarked, in a similar circumstance, that "much might be said on both sides." It is certain that while the actual presence of exporters and manufacturers gives a more practical turn to the discussions, the contribution of carefully prepared reports by foreign experts (the delegate was alluding to the marked attention given to Schimmel's) is also a valuable contribution to the work of the Congress, and should be encouraged in every way. A printed form placed in the hands of those present possibly presents some aspect of the question ignored by the bureau, or offers objection worthy of consideration, and has the advantage of not wasting the time of the assembly. But best of all, one would suggest, is the contribution of well-digested remarks in printed form followed by personal presence to combat objections, etc. It will be noticed that in no case was this idea, which seems the real solution of the doubtful point, carried out in the Essential Oils Section.

The Discussion on Chemicals

took place on Thursday morning, October 21. There was a fair attendance. M. Grimbert, hospital pharmacist, and Professor at the Paris Superior School of Pharmacy, took the chair at 9 A.M., supported by M. Fayolle, Senator Cazeneuve (Professor at the Lyons Mixed Faculty of Medicine and Pharmacy), and M. Dumesnil, pharmacist, of Paris.

A large number of the definitions were accepted as proposed without discussion. They included the following:

Arsenious acid.	Potassium iodide.
Boric acid.	Lecithin.
Carbolic acid.	Magnesia (calcined).
Carbolic acid (cryst.).	Bismuth subnitrate.
Citric acid.	Iron oxalate.
Tartaric acid.	Mercuric oxide (yellow).
Ammonia.	Sodium perborate.
Benzene (crystallisable).	Magnesium peroxide.
Potassium bromide.	Zinc peroxide.
Sodium cacodylate.	Monocalcium phosphate.
Calcium carbonate (precipitated).	Bicalcium phosphate.
Potassium chlorate.	Tricalcium phosphate.
Cresylol.	Mercurous iodide.
Eau oxygénée (hydrogen peroxide sol.).	Precipitated sulphur.
Ether.	Sublimed sulphur.
Reduced iron.	Washed sulphur.
Formol.	Copper sulphate.
Bismuth subgallate.	Sugar of milk.
Glycerin.	Magnesium sulphate.
Chloral hydrate.	Thymol biniodide.
	Vaseline.

The others were duly considered and debated, the observations of Mr. John C. Umney being cited in their proper place. The following modifications were made in the definitions drawn up by the French Committee:

Acetic Acid.—The potassium permanganate test to be made with 1 c.c. of 1-in-1,000 permanganate.

Salicylic Acid.—The ash should not exceed half a milligram in half a gram.

Tartaric Acid.—The question of the presence of lead was discussed by MM. Schamelhout (Belgian delegate), Senator

Cazeneuve, MM. Yvon (of the Pasteur Institute), Poulenc, Pointet, Duchemin, and Billon. A resolution was finally carried to the effect that the definition adopted should be considered by the Hygiene Section.

Sodium Bicarbonate.—The powder should not contain more than 2 per cent. of anhydrous sodium carbonate. It may contain traces of chlorides, of which the sodium chloride should not exceed 0.10 per cent. It should be free from ammonia salts, etc.

Mercury Bichloride.—Add the words "And sublimed about 295° C."

Soda Crystals.—Standard of at least 32.44 per cent. of pure Na_2CO_3 .

Ammoniacal Glycyrrhizin.—The pure glycyrrhizin should equal at least 70 per cent.

Pilocarpine Hydrochloride.—Rotation $\text{Ld}+91^\circ$ at 18°C . for an aqueous solution of 2 grams in 100 c.c.

Pilocarpine Nitrate.—Rotation $\text{Ld}+82^\circ$ at 18°C . for aqueous solution of 2 grams in 100 c.c.

Caustic Soda.—Solid white mass, very hygroscopic, soluble in distilled water, giving a clear and almost colourless solution. Should be sold with indication of (or label should state) strength in NaOH ; in absence of such indication should contain at least 75 per cent. of NaOH . Should not contain more than 4 per cent. of sodium carbonate. May contain small quantities of chlorides and sulphates, and traces of alumina, lime, metals, sulphides, and cyanides.

Liquid Caustic Soda (lessive).—May be an aqueous solid of caustic soda or be produced by caustifying sodium carbonate by lime or electrolysis sodium chloride. NaOH should be indicated when sold; if nothing is indicated it should contain 25 per cent. of NaOH . May contain small quantities of sulphates, carbonates, and chlorides, and traces of alumina, lime, metals, sulphides, and cyanides.

Sodium Sulphate.—May contain a small quantity of chlorides, not above 1 per cent. expressed as NaCl .

These definitions having been disposed of, a certain number of resolutions were presented to the effect that guaiacum, vaseline oil, and semi-caustic sodas should be examined at the next Congress.

M. Grimbert read a telegram from the President of the Lot Pharmacists' Association, supporting the resolution submitted by the Egyptian delegation regarding the unification of tests of official chemicals.

M. Schamelhout, of Brussels, stated that he considered that the definitions of chemicals already voted presented too wide a divergence from the chemically pure product.

A discussion followed in which MM. Cazeneuve, Collard, Duchemin, Fernie, Grimbert, Langrand, Massol, and others explained that the definitions drawn up by themselves and their French colleagues were not for pharmacists only, but for dealers in chemicals generally. These definitions, they had already set forth, were simply framed to secure dealers who sold goods in accordance therewith from prosecution under the new French Adulteration Act.

Dr. Henry Martin, a leading Parisian pharmacist (ex-President of the Paris Trade Association of Retail Pharmacists), then brought up the resolution, of which M. Bonjean had prevented the discussion in the Mineral-waters Section. After a long and interesting discussion, in which MM. Yvon, Crinon, Portes, Schamelhout, Malat, and Masson took part, the following definition and resolution were voted by a large majority:

The expression "natural salts," coupled with the name of a spa, only applies to the integral residue of the evaporation of the natural mineral water of that spa.

That it be forbidden to employ the name of a spa to designate a hygienic or a non-official pharmaceutical product unless the active principle of such product be solely composed of the natural salts of the spa thus indicated.

The Crude Drugs Section.

THE CRUDE DRUGS SECTION held its first meeting in the Amphitheatre of Pharmacology on Wednesday afternoon, October 20. Professor Guignard (whose portrait we published last week) presided and inaugurated the proceedings, but subsequently abandoned the place of honour to Professor Perrot. M. Goris (who has worked so hard with M. Perrot in drawing up drug definitions), the ubiquitous M. Fayolle, and M. Zaleski (Russian official delegate to the Congress) supported the President. M. Perrot took the list of drugs in alphabetical order, and the text defining aconite-leaves, ajowan, arnica, star-aniseed, tolu balsam, benzoin, belladonna, mullen flowers, cardamoms, Roman and common chamomile, cascara

sagrada, conduranga, and creosote were voted without any modifications worthy of mention. The following additions and modifications were made to the definitions submitted by the French Committee:—

Absinthe.—The "flower-tops" found in trade, as well as the leaves, should be sold under their own name.

Aconite-root.—The dry product should furnish a total of 0.5 per cent. of alkaloids. The tubercle producing the flowering stalk should not be used in galenical preparations.

Aloes of good quality should give a minimum of 60 per cent. of aqueous extract and a maximum of 1.50 per cent. of ash.

Aniseed, Cassia, Cummin, Coriander Seeds.—The percentage of foreign matter was discussed at length by M. Bondissaud, Professor Domergue (of Marseilles), Professor Planchon (of Montpellier), MM. Langrand, Vermet, Michel, etc. It was finally voted that 2 per cent. or 3 per cent. of earthy or stony matter should be the maximum tolerated.

Apiols.—The information afforded on the subject of crystallised apiol varied so greatly that it was decided to refer the matter to the next Congress. The discussion on liquid apiol was long and interesting; M. Dufour (of Sachse & Co., Leipzig), M. Dumesnil (of Paris), M. Schamelhout (of Brussels), and M. Georges Oudin all took part. The text submitted by the committee was, however, finally voted, certain general characteristics of purity proposed by M. Lutz being added.

Asafetida.—M. Schamelhout proposed the following modifications, which were carried: "The preparation of asafetida (dried on lime), insoluble in boiling alcohol at 90°C ., should not exceed 50 per cent. Asafetida leaves an ash residue of 20 per cent., which should not effervesce strongly with hydrochloric acid."

Copaiba.—The definition proposed by the committee was deferred to the next Congress.

Cantharides.—The proportion of cantharadin was fixed at 50 per cent.

Coca.—Alkaloids should equal 0.5 per cent.

Hemlock.—Professor Guignard's proposition to adopt a microscopical definition of the very characteristic form of the cells of the pod was voted.

It was now 6 p.m., and M. Perrot suspended the sitting, asking his auditors to return on Friday. On that day (October 22) he resumed his presidential chair at 9 a.m., and called on the members to make a special effort to despatch the rest of the programme ere noon, for the afternoon was consecrated to a "general meeting," and it was a case of "now or never." They heartily responded to his appeal and the definitions of digitalis, oilbalm, male fern, broom, gum arabic, guarana, cade oil, hydrastis, ipecac, jaborandi, lycopodium, black mustard, pansies, violets, pyrethrum-flowers, rhatany, rhubarb, saffron, santonica, senna, spermaceti, strophanthus, lime (tilleul), and even such important items as cinchona and opium, were adopted with a lack of discussion which was practically a "vote of confidence" in the scientific competence and practical knowledge of MM. Perrot and Goris. It was decided that ergot of rye ought not to give more than $1\frac{1}{2}$ per cent. of ash, and linseed 0.20 per cent. The proportion of caffeine in dry kola-nuts was lowered to 1.25 per cent.; the same figure was adopted for maté and for tea. The anatomical characteristics of Chinese rhubarb and strophanthus were defined. The proportion of moisture in saffron was discussed, but the original figure of 15 per cent. was finally adopted. Scammony seemed difficult to define, so was summarily dismissed to the next Congress by M. Perrot, who worked with one eye on his list and the other on the clock on the left of the presidential table. Dr. Tison requested that the definition of tea-flowers should be similarly shelved, and M. Petreano made the same demand for adjournment with reference to labdanum. In both cases the remand was granted. M. Petreano desired to specify the proportion of cinnamic alcohol in storax, as well as the minimum of water and the maximum of saponifiable resin. The assembly agreed. Vanilla and vanillin were being discussed when twelve o'clock approached, and the meeting prepared to depart. As a matter of fact, this subject of vanillin was practically the only drug brought up at the General Assembly on Saturday, the other decisions of the section being confirmed *nem. con.* by this court of appeal.

Festivities.

Instead of attempting to describe all the entertainments with which the Congress was feasted, our correspondent

has selected the reception by the Minister of Commerce as typical of the receptions, visits to laboratories and big manufactories, etc., few of which were of even indirect pharmaceutical interest. It was on Thursday evening, October 21, that M. Jean Dupuy gave a dinner at the Ministry of Commerce to the leading members of the Congress, followed by a reception of the members in general. The hall of the handsome old town mansion in the rue de Grenelle was suitably adorned with palms and green plants, and two statuesque Municipal Guardsmen with drawn swords were on duty. The guests were ushered through two ante-chambers to the salon, where their names were announced. Here M. and Mme. Dupuy stood to shake hands with each new arrival, who then joined the company inside. No set entertainment was provided. The guests simply formed themselves into chatty groups, and after a while adjourned to the buffet, very handsomely decorated with flowers and plants, where light refreshments were provided, champagne being, of course, the leading feature. Among those present were Dr. Bordas, Professor Grimbart, MM. Vaudin, Collard (with his son), Geo. Oudin (ex-President of the Pharmaceutical Students' Chemical Association), P. Carles, of Bordeaux, Dufour (of Sachse & Cie., Leipzig), and several Belgian visitors—viz., MM. Duyk, Jonas Hanan, and Schamelhout, who all held out the right hand of fellowship with the invitation, "You'll come to Brussels Pharmacy Congress next year, of course?" The gathering was essentially of a polyglot character, and, in spite of the presence of a fair proportion of ladies, much "shop" was talked, pharmacists, essential-oil manufacturers, and others grouping themselves informally to exchange impressions of the work of the Congress. A couple of hours passed quickly enough in the congenial employment, and the meeting dispersed at an early hour. It was a sort of *Cinderella conversatione*.

The final meeting was held on Saturday in the amphitheatre of the Practical School of the Paris Faculty of Medicine. The platform was handsomely draped with the usual gold-fringed crimson velvet hangings, and festoons of the flags of all nations testified to the international nature of the gathering. This latter was unmistakable. On the platform were not only white representatives of different nations, but several swarthy delegates whose tinge of African blood seemed unmistakable, while a Chinese official, modestly in the background, was led up to the Presidential table in a "Friend, come up higher" fashion and seated beside Senator Cazeneuve. The chair was taken at 3 p.m. by M. Eugène Roux (Dr. Bordas being seated immediately behind the Presidential fauteuil), and the proceedings opened as a General Assembly for the ratification of the work done by the sections. It was well known that the notice-paper was a long one, and attempts at obstruction might be made by some outvoted minorities, and M. Roux's appeal for "laconic speeches" and quiet attention confirmed the impression that it would be no light task to terminate the business of the Congress ere it was closed—as it must necessarily be closed—before the evening dinner hour.

The very first item brought up for consideration—salad oils—provoked incidents unimportant in themselves, but regrettable from the point of view of delay. A representative of the trade, discontented with the decision of his section, that oils might be mixed and yet labelled "table oil," and the like, asked the Congress to vote that in such cases the words "mixed oil" must appear on the label. In vain M. Roux passed from persuasion to sarcasm. "Must," he remarked, was out of place. When one commanded one "must" have force at hand to enforce the order. Where did M. Berry propose to find his international police force? But M. Berry was not to be quenched, and the duel went on for some time, although the audience showed its weariness of the struggle by cries of "Enough, enough!" Finally a delegate rose, and declared in a most heroic tone that the united nations bowed to no individual, not even to a man from Marseilles, and during the roar of laughter that followed this happy sally M. Roux successfully skipped to the next item on the programme. Italian, Greek, and Mexican delegates discussed the coloration of olive oils; the pork butchers were eloquently insistent on the percentage of beef to be exacted in sausages;

canned goods, fruits, nuts, and butchers' meat were all discussed by the ubiquitous and autocratic assembly laying down the law to nations, and fearless even of the fiery south.

At last the Drug-section came before the meeting. M. Perrot summed up the resolutions voted and asked the meeting for a favourable vote, the number of distinguished chemists and pharmacists present being a guarantee for the whole gathering. A general ratification was granted. The Congress was now over and the notice-paper exhausted. In the moment of closing M. Roux took the broad-minded view of asking all who had lodged protests against the decisions of the Congress to formally confirm them by letter, so that none might be overlooked. Dr. Bordas thanked the foreign Governments which had sent delegates and all those who had taken part in the great work, not forgetting Dr. Landouzy, who had placed the Faculty buildings at their disposal. M. Vuille thanked the City of Paris for its subvention and for its welcome, the Ministers of State, the Municipal Councillors, and all who had helped to make the gathering a success. A few foreign delegates expressed similar sentiments, and then the meeting dispersed.

Prescription Problem.

THE French prescription set as a problem in this column in our issue of October 16 brought a good response, and the standard of the replies was very high. A few competitors merely sent an English or Latin translation of the script, which was not what we required. The transcription of the problem is as follows:

Copie de l'ordonnance
No 98278

bicarbonate soude	5 gr
Magnésie lourde	5 gr
Sn [sous nitrate] bismuth	2.50
Craie préparée	2.50
Chlorhyd de morphine cinq milligr	
en 5 paquets	

Signé Dr R de Hu
Tours le 23 Avril 1903

The difficulties met with by a few of the competitors were the word "lourde" following "magnésie," this being rendered in several cases as "poudre," while in other cases the word was mis-spelled. The abbreviation "s n" for "sous nitrate" caused a little trouble. The prize-winners, determined by the time of posting correct solutions, are the following:

London and Home Counties.—Mr. J. A. Brown, c/o Mr. S. J. Weston, 151 Westbourne Terrace, Hyde Park, W.

Provinces.—Mr. R. Michel, c/o Mr. J. S. Prior, Stamford.

Scotland.—Mr. Peter Irvine, c/o Messrs. W. Wallace & Co., 71 St. Vincent Street, Glasgow.

Abroad.—Mr. J. Pendrigh Thomson, Grande Pharmacie Finck, Geneva.

Correct solutions also received from

Mr. V. H. Drisse, 81 Clapham Road, London, S.W.

Mr. W. R. Hiscox, 39 Beauchamp Road, Upper Norwood, S.E.

Mr. F. Oakley, 47 Florence Road, Wimbledon.

Mr. H. Boyce, 4 Church Row, Aldgate, London, E.C.

Mr. Horace Reeves, 17 Carlton Terrace, Beckenham.

Mr. A. J. Dodd, 76 New Bond Street, London, W.

Mr. C. S. Ashton, 46 Dyke Road, Brighton.

Mr. A. E. Denny, 26 Brougham Street, Skipton.

Mr. J. C. Murdock, 348 Cumbernauld Road, Dennistown, Glasgow.

Mr. H. Preston, c/o Boots, Ltd., Guernsey, C.I.

To the four prize-winners we are sending a copy of "The Art of Dispensing," while as consolation prizes to those who also sent in correct solutions copies of "The Medical Dictionary" will be sent.

THE WIDOW'S MITE.—A chemist in East Anglia (210/38) received the other day an order written on an envelope with deep mourning border for "1/2. box Lip Salve. ? Price of Rouge, cheapest." The customer had recently lost her husband.

Winter Session of Chemists' Associations.

After-dinner Attitudes.

II.

This session, in a genial mood,
The Chairman brims with reminiscence,
Each diner owns to feeling "good,"
And patiently to "chestnuts" listens;
There is no Bill, no cause for fret,
No dry debate, or ornate essay;
The Lamb is now the Lion's pet;
We beam on Jesse.



'Mid thorny subjects carefully
We tread, nor talk of "Hawk" or "Vulture";
"We're not so bad as we might be,
In spite of agri-horticulture";
We have a brand new title—ours
Against the world, and none can steal it;
But so far its financial powers—
We scarcely feel it.

Brief Records.

N.U.A.P.—The winter session of the Liverpool Branch of the National Union of Assistant Pharmacists was opened on October 20 by a whistle drive at the Avondale Café, Church Street. There were 108 present, Messrs. Ashworth and Sendall acting as Stewards with the Hon. Secretary (Mr. Jas. J. B. Waldron) as M.C. The prizes were won by Miss F. H. Thoms and Mr. Charles Loveridge. Mr. T. F. Percival distributed the prizes.

Dundee Assistants.—A meeting of the Dundee and District Chemists' Assistants' and Apprentices' Association was held on October 15, at Mather's Hotel. Mr. John Anderson, Hon. President of the Association, addressed the meeting on "Some Unusual Dispensing Experiences" and "Some Methods of Preparing Common Galenicals." He urged that dispensaries should always strive to find out for themselves what is meant when anything of an unusual nature is brought to be dispensed. He also gave some notes on time-saving methods for preparing ung. boric., lin. camph., etc. Votes of thanks were accorded to Mr. Anderson for his address.

Sunderland Pharmaceutical Association.—The annual meeting was held at the Grand Hotel, Sunderland, on the evening of October 19, Mr. E. R. Cherrett (President) in the chair. The year's work was reviewed. The accounts, after extra expenses and a donation of three guineas to the Parliamentary Representation Fund, showed a fair balance to the good. The membership remains practically the same as the previous year's. Mr. Cherrett was re-elected President, and the other officers were also re-elected. After discussion it was decided that the name of the Association should be changed to the Sunderland Pharmaceutical Association. The annual dinner was fixed for Wednesday, December 8, at the Grand Hotel.

Wolverhampton.—A meeting of the Wolverhampton and District Chemists' Association was held at the Star and Garter, Wolverhampton, on the evening of October 21, Mr. W. R. Dunn (President) in the chair. There were also

present Messrs. Fellows, Forster, Phillips, Stanway, Willcock, Gibson, Warner, Goodwin, and Coleman. The programme for the session was arranged, and a resolution was passed regretting that Messrs. Elliman had advanced the wholesale prices of their embrocations without a corresponding increase in the protected retail prices. After the discussion, Mr. S. Phillips (Treasurer) agreed to call on or circularise the members respecting subscriptions for Mr. W. S. Glyn-Jones's candidature for Parliament.

Hull Pharmacists' Association.—A meeting was held on October 26, Mr. J. F. Robson (President) in the chair. A long discussion, introduced by Mr. Smith (Osborne Street), took place regarding the sale of poison-substitutes by unqualified persons. The practice is doing much harm to qualified chemists, and is carried on so as to evade the Pharmacy Acts. Mr. Adamson (Nottingham) said he found similar complaints were general throughout the district he travelled. Drug-stores urge that chemists allow the sale of poisons to be conducted by unqualified assistants and apprentices. Some discussion took place as to the supply of poisons by wholesale houses to unqualified tradesmen. Mr. Richardson gave an instance of laudanum which contained no opium. He thought the local authorities might exercise greater vigilance. A committee was appointed to devise a scheme for dealing with the matter.

Croydon Pharmacists' Association.—A general meeting of the above Association was held at the Greyhound Hotel, Croydon, on Wednesday evening, October 27, to discuss early closing. Notwithstanding the inclement weather there were twenty members present, and Mr. Paget Matthews presided. After a good discussion the following resolution was agreed to (proposed by Mr. Holmes and seconded by Mr. Harding Rees): "That this meeting of the Croydon and District Pharmacists' Association pledges itself to use every endeavour to bring about a shortening of the hours of business, and, with this end in view, is in favour of closing not later than 5 p.m. on Wednesdays and 9 p.m. on other days of the week excepting Saturday, and that the Croydon Corporation be requested to put into force the Early Closing Act."

Birkenhead and Wirral Association of Pharmacists.—The annual meeting was held at the Association rooms, Hamilton Street, Birkenhead, on October 14, Mr. F. C. Cooling presiding. Among those present were Messrs. Ellithorne, Stelfox, Sturt, Somerville, Hume, Wynne, Stones, Snow, Breeze, Cragg James, and Stephen Jones. The Treasurer (Mr. Wynne) presented his financial report, which showed a small balance in hand. The Secretary (Mr. Ellithorne) read a comprehensive review of the last Session, which showed that the Association is in a flourishing state, several new members having joined during the year. Both reports were adopted, and the officers were elected for the ensuing year, viz.: President, Mr. C. H. Sturt; Vice-Presidents, Mr. H. O. Dutton and Mr. W. Somerville; Hon. Treasurer, Mr. W. A. Wynne; Hon. Secretary, Mr. T. Stephen Jones; Assistant-Secretary, Mr. A. J. Stones; auditors, Mr. Stelfox and Mr. Snow; committee, the officers, past officers, Mr. A. E. Breeze, and Mr. Norton. Mr. Cragg James proposed, and Mr. A. E. Breeze seconded, a vote of thanks to the past officers for their untiring and faithful services. Mr. Cooling, Mr. Ellithorne, and Mr. Wynne replied.

Cardiff.—The annual meeting of the Cardiff and District Pharmaceutical Association was held at the Angel Hotel, Cardiff, on Wednesday, October 27. Mr. H. A. Gerhold in the chair. The Hon. Secretary (Mr. E. Poole) read the report, which showed that the past session had been in every respect successful. The membership had been increased to sixty-five (a record), and the balance in hand was about 20%. The report was adopted. The meeting proceeded to the election of officers. The President said at a preliminary meeting it was suggested that Mr. J. D. Jenkins should be elected as President, but he declined to take the office, and the choice of the members then fell upon Mr. J. Lee Jones, who was unanimously elected. Mr. Leo Joseph was chosen as Vice-President, Mr. E. Poole was re-elected Hon. Secretary, and Mr. W. M. Williams Assistant Hon. Secretary. The President proposed a vote of thanks to Mr. J. Blake Benjamin for his services as Commercial Secretary, to which he was now re-elected; Mr. A. Hagon seconded, speaking in commendation of the work done. The motion having been carried, Mr. J. D. Jenkins was elected acting Hon. Treasurer, and the following were appointed the Executive Committee: Messrs. H. A. Gerhold, A. Hagon, J. A. Jones, R. W. Duck, Gregory Williams, Benj. Reynolds, A. J. Bellamy, L. Lea, and W. Allen (Barry). On the motion of

Mr. A. Hagon, seconded by Mr. R. Mumford (Bridgend), it was resolved to make a donation of two guineas to the Infirmary, which entitled the Association to tickets for one in-patient and six outdoor patients. A long discussion ensued in regard to the Pharmacists' Parliamentary Representation Fund. Mr. Hagon suggested that a donation should be given, but the President moved to the contrary, Mr. Mumford seconding. As an amendment Mr. J. Reynolds proposed that five guineas be given, which Mr. H. Davies seconded. The amendment was lost. Councillor J. A. Jones then moved another—to form a committee to wait on members soliciting subscriptions. Mr. Leo Joseph seconded, and this amendment was carried unanimously. In regard to the scales regulations Councillor J. A. Jones stated that the Cardiff inspector would take a common-sense view of things. It would not be necessary for them to have beam-scales, but he thought they had better wait until the inspector came round to see their scales rather than rush with them to the Weights and Measures Office.

Liverpool Chemists' Association.

A MEETING was held at the Royal Institution on Thursday evening, October 21. Mr. T. S. Wokes (President) was in the chair, and referred to the death of Mr. J. T. Hornblower, stating that a vote of condolence had been sent by the Council to his widow.

THE SECRETARYSHIP.—The President read a letter received from the Secretary (Mr. G. V. C. Last) stating that he could not undertake the duties for another session owing to pressure of business. Dr. Symes spoke in eulogistic terms of Mr. Last's work, and the appointment of a successor was left in the hands of the Council.

SPIRIT-DUTY.—Dr. Symes referred to the increased duty on alcohol, and hoped that some rebate would still be given on spirit used for medicinal purposes. He proposed a resolution that the Council should write letters to some members of the House of Lords to endeavour to get the extra duty removed.

ALTERATIONS IN RULES.—In accordance with a resolution passed at the last annual meeting, the committee appointed to revise the rules submitted their proposals. The main alteration referred to the manner of electing the officers and members of the Council; and it was also found necessary to have two secretaries instead of one. Mr. Haddock proposed that the rules, with the alterations as read, be adopted, and this was carried unanimously.

ELECTION OF PRESIDENT.—Mr. Last proposed that Mr. T. S. Wokes be re-elected President. This was seconded, and carried unanimously.

The President called attention to the smoking-concert held at the Bear's Paw, conjointly with the Birkenhead and Wirral Chemists' Association, on Thursday of this week. The whole of the proceeds are to be devoted to the Pharmaceutical Benevolent Fund.

Chemists' and Druggists' Society of Ireland.

A GENERAL MEETING of this Society was held at 11 Waring Street, Belfast, on October 21, Mr. Samuel Gibson, J.P. (President), in the chair. There were also present Messrs. R. Cambridge, J.P., John Frackelton, Edgar Kee, Samuel Suffern, William Haslett, F. Lindsay, Jacob Walsh, J. MacAuley, Joseph Moffatt, J. D. Carse, R. Cilvill, and W. J. Rankin (Hon. Secretary).

THE SALE OF BENZINE.—The President introduced the subject of the Budget restrictions on the sale of benzine and benzoline. They can only be sold by those who take out a licence and pay duty on the spirit. An effort is being made, he said, to get an amendment inserted in the Finance Bill to allow small retailers to sell benzine and benzoline for cleaning-purposes without having to take out a licence. Considering the small quantity sold by druggists, it would not pay to take out a licence. The President also reported that, as arranged by the committee, he had communicated with the Chancellor of the Exchequer on this matter, suggesting that retailers should be exempt from the licence if they do not stock more than 2 gals. of benzine, etc., at a time, and that if a licence must be paid this should not be more than 5s. a year in the case of druggists. Similar letters were also sent to Mr. Herbert Samuel, M.P., Captain Craig, M.P., Mr. C. C. Craig, M.P., Mr. Thos. Sloan, M.P., and Mr. Joseph Devlin, M.P. The Chancellor of the Exchequer and Mr. Herbert Samuel replied that they would give the matter attention. Captain

Craig and Mr. Craig wrote that they are prepared to put an amendment on the papers of the House. A long discussion took place, in which Messrs. Haslett, Cambridge, Kee, Walsh, Frackelton, Suffern, Moffatt, MacAuley, Carse, and others participated, and it was eventually decided to confer with Captain Craig and Mr. C. C. Craig with a view to having an amendment prepared to cover the point at issue.

The new weights and measures regulations and the sale of patent and proprietary medicines were then discussed. It was decided to hold a members' meeting on the last Thursday evening of each month at 8 o'clock.

Oldham Pharmaceutical Association.

At a meeting on Tuesday evening, October 26, Mr. W. Gartside read a paper on

COLOURS, ODOURS, AND FLAVOURS,
as used in pharmacy. After dealing with the mental effect which good appearance and characteristics of a medicine have upon a patient, the author submitted a series of formulas which he has found "excellent," and from these we give a selection:

Carmine Solution.

Carmine	...	...	30
Glycerin	...	...	250
Ammonia sol. B.P.	...	...	250
Water to	...	...	1,000

Mix the water and ammonia, triturate the carmine with it; heat gently on a water bath till the liquid has a faint odour of ammonia. Cool, filter, add the glycerin and water to 1,000.

Cudbear Tincture.

Powdered cudbear	...	...	100
Pine sawdust	...	...	50
Spirit, 45 per cent. to	...	...	1,000

Make a tincture by percolation.

For a brown colour Mr. Gartside recommended caramel, and for yellow saffron tincture (1 in 25 of 45 per cent. spirit), or for cheap things, this:—

Annatto Tincture.

Annatto	...	...	5viij.
Water	...	...	5xvj.
Rectified spirit	...	...	5viij.
Tartaric acid	...	...	3iiss.

Dissolve.

Blue is got with indigo carmine and green with that and saffron or turmeric tincture; purple with indigo carmine and cudbear tincture, and caramel and annatto serve for raspberry syrup.

C.L.O. Emulsion Flavour.

1. Ol. amygd. ess. s.a.p. 2.5
Ol. cinnamomi ... 7.5
Ol. limonis ... 16.—M.
2. Ol. amygd. ess. s.a.p. 4.
Ol. gaultheriæ ... 2.5
Ol. cinnamomi ... 6.5
Ol. myristicæ ... 2.5
Chloroformi ... 5.5.—M.

Petroleum Emulsion Flavour.

Ess. vanille	...	...	5i.
Ol. amygd. ess. s.a.p.	...	...	mv.
Ol. cassie	...	...	mv.—M.

Syrup of Chocolate.

Gelatin	...	...	5i.
Chocolate	...	...	5i.
Glycerin	...	...	5i.
Vanilla essence	...	...	5ss.
Syrup to	...	...	5xx.

Soak the gelatin in water, add chocolate and glycerin, mix on a steam bath, add the syrup (hot), and when cold the essence.

Peppermint Essence.

Ol. menth. pip.	...	...	5i.
Mentha pip.	...	...	5i.
S. V. R.	...	...	3xx.

Flat tinctura.

This has a fullness of flavour absent from the B.P. essence.

Comp. Syr. of Blackberries.

(Children's Cough Mixture.)

Fresh blackberry juice	...	...	3 pints
Powdered cinnamon	...	...	2 oz.
" cloves	...	...	1½ oz.
" nutmegs	...	...	1½ oz.
Spirit, 20 per cent.	...	...	2 pints
Simple syrup	...	...	3 pints

Make a tincture of the spices, mix with the other ingredients, shake occasionally during twenty-four hours, and filter.

Syrup of Horehound.

Well-broken horehound	...	...	45
Sugar	...	...	85
Water to	...	...	100

Cover the horehound with water, and digest for an hour on a water bath. Strain, press, and evaporate to 45. Cool and filter. Make 100 of syrup with the sugar.

Messrs. C. G. Wood, Newby, Davies, and Holden discussed the paper, and several members expressed a strong antipathy to oil of wintergreen as a flavouring agent. Mr. Gartside was thanked.

A warm discussion on the apparent illegal granting of poison-licences ended in a request for information being forwarded to the Pharmaceutical Society's Council as to what steps they had taken and intended to take to protect the interests of pharmacists in this respect.

Thames Valley Pharmacists' Association.

THE first meeting of the session was held at the Kingston Hotel, Kingston-on-Thames, on October 27, the President (Mr. Harvey, Surbiton) in the chair. There was a good attendance of members, including Messrs. Anone and Evans (Putney), Clarke and Windemer (Surbiton), Clement (Hampton), A. Higgs, J.P. (Kingston), Neathercoat (Weybridge), Palmer (Twickenham), Turner (Sheen), Wellburn (Molesey), Woolcock (Barnes).

Mr. W. E. Clarke (Surbiton) was called upon to read his paper on

MILITARY PHARMACISTS.

Mr. Clarke said his object was to get associations to consider this matter with a view to sending resolutions

to the Secretary of State for War. He said it is possible that the authorities may apply the title "military pharmacists" to Army compounders, but the title is not in use at present. He advocated that a position be found for pharmacists in the Army organisation, and that they (the Army) should no longer rest content with compounders—men who are innocent of scientific training. As regards the Territorial force, there is a possibility of remedying this state of affairs, and Mr. Clarke gave the reasons why pharmacists are particularly desirable in the Territorial force, and why they should be given a higher status than an ordinary private or non-commissioned officer. An outline of the training of Army compounders was next given, showing the elementary character of the requirements of those to whom dispensing is entrusted in the Army, and the undesirability of admitting these men to the privileges of the Pharmacy Acts without further examination. A few notes were given regarding the status of military pharmacists in France and Germany, and finally Mr. Clarke urged that pharmacists should have commissions similar to that which obtains in Germany, or failing that, accept honorary rank.

Discussion ensued, several members taking part, and the following resolution, proposed by Mr. Higgs and seconded by Mr. Palmer, was carried:

"That the Council of the Pharmaceutical Society be urged to consider the advisability of approaching the Secretary of State for War to grant the claims of eligible pharmacists to some form of commission in Territorial medical units."

PARLIAMENTARY REPRESENTATION.

Mr. Woolcock introduced a discussion on this subject, advocating in forcible terms the desirability of the direct representation of pharmacy in the House of Commons. He said that in Mr. Glyn-Jones chemists would have a really live pharmacist in Parliament. A lively discussion ensued, and it was freely stated that pharmacy should be represented on both sides of the House, to which Mr. Woolcock replied that subscribers can ear-mark their subscriptions for a particular purpose.

Bournemouth Pharmaceutical Association.

THE ANNUAL DINNER of this Association was held on October 20 at the Gervis Hall Restaurant. Mr. J. A. Haynes (President) was in the chair, and the company included the Mayor of Bournemouth (Mr. G. E. Bridge, Ph.C.), Dr. J. G. Harsant (representing the Bournemouth Medical Society), Dr. T. B. Scott, Dr. W. H. Fawcett, Dr. Neil Macgillycuddy, Dr. Harold Simmons, Dr. Morland Smith, Messrs. W. A. Bingham (Hon. Secretary), J. H. Scampton, Francis Rose, E. Worth, F. E. Bilson, F. W. Hornby, A. E. Ball, R. R. Case, F. Ward, S. Hardwick, J. W. Williams, Owen Palmer, L. Bell, W. W. Wilken, W. B. Botham, W. E. Curtis, Douglas Bridge, C. F. R. Parr, C. G. Reid, J. L. Robinson, R. Jeffs, R. C. Andrews, F. Rye, R. H. Groves (Blandford), W. Gothard, J. T. Emlay and Hardy (Idris & Co.), G. J. Allen (British Drug Houses, Ltd.), C. Newman Turner (Potter & Clarke), Hazard, Holmes, Jones, and Akhurst-Graham. Mr. E. Worth submitted the toast of "The County Borough of Bournemouth," and congratulated Mr. Bridge on the successful completion of a second year in the mayoral chair and on his acceptance of a unanimous request to continue in that office for a third successive year. The Mayor, in reply, spoke at length on matters of local administration. Mr. Stewart Hardwick gave the toast of "The Medical Profession," and Dr. Harsant, in reply, spoke of the close relationship between pharmacists and doctors, remarking that whatever success the latter might achieve in their work was largely due to the care of the pharmacist. Dr. T. B. Scott, in responding to the toast of "The Visitors" (proposed by Mr. F. E. Bilson), agreed that Bournemouth possessed a remarkably capable set of pharmacists, and in this respect would compare favourably with any town in England. Mr. A. M. Kempe, of the Bournemouth Dental Association, in submitting the toast of "The Bournemouth Pharmaceutical Association," congratulated chemists on securing recognition of the title pharmacists, but contended that pharmacists deserved more protection than that of mere title. Mr. J. A. Haynes (the President),

in acknowledging the toast, said that the Association has now forty-eight members. In regard to the granting of poison-licences to horticulturists these were being granted where ample facilities already existed, and he was glad the Pharmaceutical Society is trying to remedy this. The toast of "Kindred Associations" was submitted by Mr. Francis Rose, and acknowledged by Mr. Alderman Tucker, who recalled the time (within his own recollection) when there was not a pharmacist in the district.

Chemists' Assistants' Association.

At the meeting held at 73 Newman Street, W., on October 21 (Mr. F. L. K. Loxley presiding),

PARLIAMENTARY REPRESENTATION

was the subject of discussion, and Mr. W. J. Uglov Woolcock, Ph.C., led it off. He outlined what the Parliamentary Representation Committee has done, and incidentally mentioned that a considerable amount of legislation is effected in the smoking-rooms of the House of Commons, and a good deal of it is initiated by the permanent officials of the Government. In each case a pharmaceutical representative would have great influence. The committee had selected Mr. Glyn-Jones as their candidate, and he is to stand for Stepney, where he would receive the support of pharmacists. Those who approved the scheme for which the committee was responsible, but were unable to sink their individual politics, were requested to earmark their subscriptions, so that they might be devoted to the candidature of a pharmacist who might be selected for a constituency in the Tory interest. The proposal had received the sanction of the Pharmaceutical Council, with one exception—that of Mr. Gifford. He believed that majorities were generally right in their conclusions. It sometimes happened that the reverse was the case, but he could hardly conceive that twenty-one men who constituted a Council could be entirely wrong, and that there was only one man just and true among them. (Laughter and applause.) As to Mr. Glyn-Jones, he said that he was cut out for a Parliamentary life. If they supported him, he was prepared to look after their interests in the House. Two factors would have great influence in securing his return in the pharmaceutical interest. One was work, the other was money. Those who could not render assistance in one respect could do so in the other.

Replying to Mr. A. R. Arrowsmith, who asked whether committees had been formed in connection with different pharmaceutical associations throughout the country, Mr. Woolcock said that associations, generally speaking, had either deputed one person to collect subscriptions, or divided their districts into sections and appointed a collector for each. In some instances associations had subscribed from their funds. Bradford had been divided into four districts with a canvasser for each.

A Member: Is Mr. Glyn-Jones the right man to represent us? We all know that he has thrown over pharmacy for the law.—Mr. Woolcock: I should express the opinion that he is.

Mr. Arrowsmith supported Mr. Woolcock's view by referring to the work Mr. Glyn-Jones had done in connection with the Chemists' Defence Association and the P.A.T.A.

Mr. Woolcock, in answer to a question as to the support the proposal for Parliamentary representation had received from assistants, said, "There is a big city in the North from which nineteen subscriptions were forthcoming. Of these seventeen were from assistants."

A Member: Will Mr. Glyn-Jones support assistants in respect to shorter hours? There might be a Tory candidate. (A Voice: "Mr. Robinson, perhaps," and laughter.) We have been taken in before as chemists.—Mr. Woolcock: We have been taken in because we did not take sufficient interest in pharmaceutical politics. I cannot, of course, pledge Mr. Glyn-Jones upon anything, but I know that he has pharmaceutical interests strongly at heart.

Mr. Thomson suggested that the subject should be brought up at a subsequent committee-meeting. If the majority of the members were in favour of Parliamentary representation, the Association would be able to show

Mr. Woolcock that it was willing to do something for the Parliamentary Representation Committee. (Applause.) This would be one way of showing that the Chemists' Assistants' Association could do something for Pharmacy. (Applause.) After further discussion this suggestion was agreed to, and Mr. Woolcock was thanked.

North Staffordshire Chemists' Association.

The session opened with the annual meeting at the Roebuck Hotel, Stoke-on-Trent, on Thursday evening, October 21. Mr. Edmund Jones (President) in the chair. There were also present Messrs. Weston Poole (Newcastle-under-Lyme), J. B. Blades (Leek), T. Bentley (Stoke), T. C. Cornwell (Hanley), H. M. Wood (Hanley), W. D. Edge (Wolstanton), E. Corner (Hanley), F. C. Burrell (Hanley), E. Mellor (Uttoxeter), E. Griffiths (Kids Grove), W. H. Kemp (Fenton), and E. Sant (Stoke).

THE PRESIDENT'S ADDRESS.

After the formal business, Mr. E. Jones reviewed the principal events of the Association year. The average attendance at the business meetings was sixteen. Good papers were read. The Poisons and Pharmacy Act was referred to, and Mr. Jones discussing Section 2 at some length, expressed the hope that the Pharmaceutical Council would bring pressure upon the Government to make inquiries as to the manner in which some local authorities are interpreting Sub-section 2. In Newcastle-under-Lyme two firms of seedsmen had been granted licences. The Association made a protest, but without avail, and he was inclined to lay the blame for this upon Mr. Josiah Wedgwood, M.P., because during the final proceedings on the Bill Mr. Wedgwood moved an amendment that not only should these seedsmen be allowed to sell horticultural poisons, but that there should be no limit to the poisonous substances which these licensees might be allowed to vend. Mr. Jones, having referred to the success of the joint picnic with the members of the Wolverhampton Association, proceeded to speak of Mr. Glyn-Jones's candidature for Stepney, dwelling on the advantage of pharmacists having a direct representative like Mr. Glyn-Jones in the House of Commons. The fact that Mr. Glyn-Jones is a Liberal had caused some hesitation about subscribing by chemists of opposite political views, but he was convinced that, if they could get Mr. Glyn-Jones into the House, they would have a most excellent representative, and he spoke in detail about what Mr. Glyn-Jones has done for the drug-trade. In Uttoxeter each of the town's three chemists had sent a contribution to the Parliamentary Fund, and he suggested that the Association should give a guinea. The President then referred to the conferences of the Organisation Committee of the Pharmaceutical Society, which are to be held in various parts of the country, to discuss the present state of Pharmacy and the Pharmacy Act, and, after appealing for support to the Benevolent Fund, reported on the proceedings at the Newcastle Conference and the meeting of the Federation, and concluded by suggesting that Associations throughout the country should pass a resolution asking manufacturers of proprietary articles again to place their goods on the P.A.T.A., and endeavour to get the list extended. He regretted that Messrs. Elliman, who were, he believed, the first to protect their goods, had thought it wise to raise the wholesale price, but had not raised the retail price, and the profits on their goods were unsatisfactory. He felt very strongly about this, and he could only say that, as far as he was concerned, Messrs. Elliman would not benefit by this action. (Hear, hear.) On the motion of Mr. Weston Poole, seconded by Mr. Blades, the President was thanked for his services during last session and for his address.

A LETTER FROM MESSRS. ELLIMAN.

Mr. Blades stated that when he received notice of the advance of Messrs. Elliman's prices he wrote to them pointing out the ridiculous position it placed chemists in, and had received the following reply:

"Dear Sir,—In reply to your favour of the 27th inst., the advance in prices should have been earlier, because of our trade costs being increased considerably during the last ten years. The omission to advance minimum prices, and leaving

it to dealers in Elliman's to advance prices to the public where convenient, was occasioned because we have for some years considered that the old profit was not properly appreciated. The remedy lies in co-operative buying, when 10 per cent. discount is secured. The advance is about 5 per cent.

Yours, etc.,

September 30, 1909.

ELLIMAN, SONS & Co."

Mr. Blades criticised this letter in severe terms, and declared that he should, in future, push his own preparations, instead of those of Messrs. Elliman. He went on to say that chemists had recently received beautiful little notices from every scale-maker in England asking them to have new scales, and promised to open a discussion on the subject.

ANNUAL REPORTS.

Mr. Poole's (the Treasurer) statement showed a balance at the bank of 2*l.* 17*s.* 7*d.*, as compared with a balance of only 5*s.* 7*d.* last year. Mr. Bentley's (the Hon. Secretary's) report stated, *inter alia*, that there had been a net gain of four members on the year. Last year subscriptions were paid by thirty-four members. Both reports were adopted. The Secretary's report mentioned the action taken by the Association with a view to getting *lump diachylon* placed in Part I. of the Poisons Schedule. A communication had been sent to the Pharmaceutical Society on the subject, and the Society had replied that the matter would not be lost sight of, and that, as it was possible that, before many months were over, alterations might be deemed necessary in the Schedule, they might then have another opportunity of bringing the matter forward. Mr. Mellor said that in Uttoxeter they had now succeeded in stopping the sale of *emplastrum plumbi* for illegitimate purposes. The three chemists in the town had met, and had come to an agreement to regard *lump diachylon* as if it were actually in Part I. of the Schedule, and they made every purchaser sign for it. The legitimate buyer did not object to this, but those who wanted the article for improper purposes did object and went without. The President remarked that this was a very good step.

OTHER BUSINESS.

It was decided to recommend the appointment as Divisional Secretaries of Mr. T. Bentley for Hanley and Burslem, Mr. Weston Poole for Tunstall and Newcastle, Mr. Kemp for Longton and Stoke, and Mr. H. A. Blades for Leek.

The Secretary reported that he had received a letter from Mr. E. Joy, Clerk to the County Council for Staffs, in reply to one he had written protesting against the granting of licences for the sale of agricultural poisons in towns where chemists are already in business. Mr. Joy said: "I have no doubt any applications made to the County Council will be dealt with on their merits."

Mr. Edmund Jones having expressed his determination to retire from the presidency, as he thought the office ought to go round, Mr. Weston Poole was elected. The other officers appointed were:—Vice-Presidents, Messrs. Cornwell and Mellor; Treasurer, Mr. Kemp; Secretary, Mr. T. Bentley; other members of the committee, Messrs. Charles (Burslem), Edmund Jones, W. Tipper, E. Griffiths, and W. D. Edge. Mr. Hill, successor to Mr. Allison (Stoke), was elected a member of the Association.

It was decided to send a letter expressing cordial greetings and best wishes to Mr. Averill, of Stafford, ex-President of the Association, assuring him of a warm welcome at the meetings whenever he feels well enough to attend. A resolution of sympathy with Mr. Dale in his serious illness, and best wishes for his speedy recovery, was passed.

Mr. Corner promised a paper on "Advertising Display," and Mr. Mellor also promised a paper. It was decided to place the subject "Should Doctors Dispense?" on the agenda for a future meeting, and it is understood that matters relating to the Federation and the B.P.C. will also be discussed.

THE IMPORTS of drugs and chemicals into Paraguay during 1908 amounted in value to 10,112*l.*, against 19,247*l.* in 1907. They were obtained chiefly from France and Germany, about one-sixth coming from the United Kingdom. Perfumery imports amounted to 5,472*l.*, or 6,443*l.* less than in the previous year. France supplied half, Germany one-quarter, and the United Kingdom one-ninth.

Pharmaceutical Society.

ORGANISATION MEETING.

UNDER the auspices of the Society a conference of pharmacists, numbering about fifty, was held at Spalding on Thursday, October 21, at 3 p.m. Those present were from Peterborough, Spalding, Boston, Stamford, Sleaford, Wisbech, Lincoln, Holbeach, Alford, Louth, Uppingham, Cambridge, St. Ives, Bourne, and Grimsby. Mr. J. F. Harrington, President of the Society, was in the chair, and was supported by Mr. A. S. Campkin and Mr. E. T. Neathercoat, members of the Council. Mr. A. J. Chater, clerk to the Registrar, was also present. A discussion on local organisation was introduced by Mr. Neathercoat, and was the principal business of the meeting, as to the success of which there was a general expression of confidence. When the proceedings had concluded with a vote of thanks to the Chairman and Mr. Neathercoat, a substantial meat tea was served at the White Hart Hotel.

NORTH BRITISH BRANCH.

A MEETING of the Executive was held at 36 York Place, Edinburgh, on Friday, October 22. Mr. J. P. GILMOUR, Glasgow (Chairman), presided, and, after the preliminary business, referred to the death of Mr. Alex. Govan, Messrs. DOIG and KERR (Dundee) and Mr. FORRET (Edinburgh) also speaking of him.

Mr. GILES reported as a delegate on the British Pharmaceutical Conference at Newcastle, and Mr. WILSON (Haddington) and Dr. COULL also spoke on the subject.

The ASSISTANT-SECRETARY reported that the list of divisional secretaries for Scotland was complete.

In committee the question of the advisability of certain preparations being included in the Poison Schedule was considered, and it was resolved to ask the Council to recommend the Privy Council to include these preparations.

Some discussion took place with regard to the Shop-hours Bill, and it was pointed out that chemists are not included among the trades or businesses which are to be excluded from the provisions of the Act.—Mr. SUTHERLAND (Glasgow) referred to the agitation among chemists' assistants on this matter, and said that the legislation was quite unsuitable for the chemists' business, and would lead to trouble and cause bitter disappointment to the public.—Mr. REID (Dumfries) said he had extreme sympathy with the shop-assistants in cities and towns, and he did not know there was any trade which needed restrictive legislation more than the drug-trade. At the same time he thought they should safeguard themselves. Although the assistants got some relief, there should be nothing to hinder pharmacists from attending to necessary cases.—Mr. FORRET, Mr. D. GILMOUR, Mr. DOIG, Dr. COULL, and Mr. GILES also joined in the discussion, and ultimately Mr. REID moved—

That the business of chemist and druggist be not exempted, but that they remit to the General Purposes Committee to suggest how they would manage to deal with urgent cases.

Mr. DOIG seconded Mr. Reid's motion.—Mr. SUTHERLAND thereupon moved that chemists' shops be exempted from the Shop-hours Bill, and Mr. REID moved that chemists' shops be included in the Bill.—On a vote Mr. Reid's motion was carried by 8 to 4, and the question was remitted to the committee with an instruction that chemists should not be exempted from the Bill.

[The Assistant-Secretary explained in the course of the discussion that chemists are included in the Bill, which restricts the hours per week that their assistants may work to sixty, but provides that the employment of such assistants in serving, after closing hours, medicines or medical and surgical appliances shall not be interfered with.—ED. C. & D.]

The ASSISTANT-SECRETARY intimated that Mr. Peddie, Professor of Physics in Dundee University College, would deliver an address at the opening of the evening meetings. He also read a letter from the Secretary of the London Chamber of Commerce in regard to railway rates on drugs and chemicals, and the memorial was signed by the members.

The ASSISTANT-SECRETARY reported that the accommodation in the library is insufficient, and suggested that the shelving should be raised by two or three shelves. The matter was remitted to the General Purposes Committee.

The Executive then went into committee to consider a report on the granting of poison-licences in Scotland under Section 2 of the Poisons and Pharmacy Act, 1908. It was agreed to forward the report to the Council of the Society.

Mr. SUTHERLAND moved—

That in the opinion of this Executive chemists should not be restricted from using scales under Class C for general purposes such as linseed meal, bicarbonate of soda, photographic chemicals, etc., and that the Board of Trade be memorialised to instruct the inspectors of weights and measures to allow this exemption except in the scales used for dispensing medicines.

This was seconded by Mr. DAVID GILMOUR and agreed to.

Westminster Wisdom.

A Record of Parliamentary Progress.

AGRI-HORTICULTURAL POISONS.

In the House of Commons on Wednesday, Mr. P. Snowden, M.P. for Blackburn, asked the Home Secretary if he was aware that town councils are issuing, in large numbers, licences to sell poisons under Section 2 of the Poisons and Pharmacy Act, 1908, in places where abundant facilities are provided by the shops of qualified chemists; and, in view of the statement made by the Under-Secretary when the Poisons and Pharmacy Bill was under discussion, that licences would only be granted under Section 2 where reasonable facilities did not exist, will he take steps to stop the granting of such licences in violation of that understanding and to cancel such licences as have been issued in contravention of it?

Mr. Gladstone replied that he could add nothing to the answers which he gave to the hon. member on the same subject on June 10 and 24. He had no power to control the action of the Town Councils, and he had already called the attention of the Privy Council Office to the allegations made.

BENZINE AND BENZOLINE.

Mr. C. C. Craig, M.P., at the request of the Chemists and Druggists' Society of Ireland, has placed on the paper an amendment, so as to exclude benzine, benzoline, and other hydrocarbons, commonly sold by chemists, druggists, and other retailers for cleansing purposes, from the provisions of clauses 85 and 86 of the Finance Bill. The amendment takes the form of a sub-clause—numbered 4—and is as follows:

"Nothing in this or the preceding section shall apply to the sale by retail of benzine, benzolene, or similar hydrocarbons, the vendors of which do not keep in stock more than 3 gals. at one time, in securely stoppered vessels, each containing not more than one pint."

The Chemists and Druggists' Society of Ireland has had the matter under consideration (see p. 685). The question is one which affects not only Ireland but the whole of the chemists and druggists in the United Kingdom, and it would constitute a great grievance and inconvenience to the general public if the sale of these articles in small retail quantities were prohibited. Indeed the quantities sold would, as a rule, be so small that retailers would be unable to claim the rebate, and so—in a great majority of cases—would pay duty. As the sales are so small, it would not warrant the payment of a licence of even 5s. per annum, and it was suggested therefore that retailers should be exempt from the licence, provided they conformed to the terms of the amendment, which, it is further pointed out, would in no way interfere with the proposals regarding motor-spirit, and would insure that the retail vendor would not be required to take out a motor-spirit licence.

THE "Wimbledon Local Telephone List," compiled and issued by Mr. Rex Blanchford, pharmacist, 76 High Street, Wimbledon, and 34 Hill Rise, Richmond, is a useful publication. Mr. Blanchford also finds it a very effective method of advertising his business.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., October 28.

IN spite of the dispiriting weather conditions, there is a satisfactory undercurrent of business in many quarters, although in Mincing Lane the feeling is somewhat depressed as the rise in the Bank rate last week has checked speculative activity. The predominant feature this week is the continued advance in opium in Smyrna, and it looks like going to 20s. per lb. Morphine in consequence has advanced a further 6d., and 1s. has been added to codeine. Apomorphine is also higher. Glycerin refiners have advanced their prices by 5l. for double-distilled, which was a foregone conclusion. Citric acid, tartaric acid, and cream of tartar have all an easy undertone. Refined camphor is quiet but rather firmer at the close. Copper sulphate is flat, and quicksilver is firm. Menthol is firmer inclined, and American peppermint oil is quiet but steady. Milk-sugar in steady request. New bergamot oil is easier. French lavender is likely to be dear this season. Almond oil and otto of rose are firm. Vanillin is in fair request, and glycerophosphates are 10 per cent. higher. Vanilla at auction was dearer. Shellac is easier. The principal changes are as under :

Higher	Firmer	Easier	Lower
Apomorphine	Caustic soda	Bergamot oil	Ammonia sulphate
Codeine	(77-78%)	(new)	
Glycerin	Copaiba	Cream of	Turpentine
Glycerophosphates	Lavender oil	tartar	
Morphine	(Fr.)	Pimento	
Opium	Lead salts	Shellac	
Vanilla	Menthol		

Cablegrams.

SMYRNA, October 26:—Sales of opium amounting to 65 cases have been made to American buyers at up to the equivalent of 16s. 9d. per lb. for about 10½ per cent.; for 11 per cent. there are buyers at 17s. 3d., but sellers are few and ask 18s., the opinion being that 20s. will shortly be reached.

NEW YORK, October 28:—Business is of a jobbing character. Opium has advanced to \$5.30 for druggists'. Peppermint oil in tins is nominal at \$1.90. Cascara sagrada is unchanged. Copaiba is easy at 40c. for Central and South American. Canada balsam is lower at \$5 per gal. Hydrastis is unaltered, and senega has advanced to 55c.

London Markets.

ACID, CITRIC, is practically without demand, and the tone remains easy, English offering at 1s. 3d., and foreign at 1s. 2½d. per lb.

ACID, TARTARIC.—The unusually keen competition and the diminished consumption this season, gives this market a weak tone, and although 9½d. is quoted for foreign, second-hand sellers, who find themselves with a larger amount than usual on contract (as a result of the greatly curtailed demand) offer at slightly below this figure. English is quoted 10d.

ALMONDS.—Privately, Persian sweet for October-November shipment are nominally worth 94s. to 95s., London landed terms, and 100s. on the spot, but the demand has fallen off, the chief difficulty being the uncertainty

as to the time of arrival as compared with other growths. At auction 516 boxes, Jordan, were offered and 22 sold at from 5l. 10s. to 11l. for bold; a few boxes, Valencia, sold at 115s.

ALOES.—The *Saxon*, from Mossel Bay, has brought 24 packages.

ANISEED is unchanged at 22s. 6d. per ewt. for Russian, 21s. for Levant, and 37s. 6d. for Spanish.

ANTIMONY is quiet at 14l. 10s. per ton spot for Japanese crude, and at 15l. 10s. c.i.f. for November-January shipment.

APOMORPHINE.—The makers have advanced their prices by 2s. 9d. per oz.

ARROWROOT.—Owing to the unsatisfactory condition of the arrowroot market, St. Vincent growers are to discuss the best means of improving the situation. They wish to find additional markets for their product, and may issue a scheme of more extensive advertising.

ASAFETIDA.—There are no fresh shipments to hand, although a vessel from Persian Gulf ports has arrived this week. There are several good orders in hand.

BALSAM PERU is slow of sale at 6s. 9d. per lb. spot.

BALSAM TOLU.—Quiet, with good hard quality, offering at 10d. per lb.

CAMPHOR (CRUDE).—Small spot sales of China have been made at 135s. to 137s. 6d., and for near-at-hand a sale of 100 piculs is reported at 132s. to 132s. 6d. c.i.f. The prices of Japan Monopoly camphor are unchanged at 135s. for B. and 140s. c.i.f. for BB. for shipment up to end of December. The exports from Japan during the eight months ending August were 1,916,102 yen, being an increase of 226,348 yen, compared with the corresponding period last year. This shows, says the "Oriental Druggist," that the stock in London has been disposed of and new orders have been placed with the Japanese Monopoly Bureau.

CAMPHOR (REFINED).—Quiet. Several sales of Japanese (¼-oz.) tablets have been made at 1s. 7d. to 1s. 7½d. c.i.f., for December-January shipment. Sellers of 2½-lb. slabs ask 1s. 6½d. c.i.f., with buyers at 1s. 6d.

CANARY-SEED remains slow of sale, and quotations are unchanged at 44s. to 47s. per quarter for ordinary qualities, and at 50s. for good Morocco.

CARAWAY-SEED is firm at 29s. to 31s. per cwt. for common to fair Dutch.

CASCARA SAGRADA.—Quiet, with sellers asking 38s. spot.

CHAMOMILES are somewhat more plentiful, but holders maintain previous prices.

CINCHONA.—Further particulars in regard to the Amsterdam auction, to be held on November 4, show that the 10,221 packages to be offered weigh about 920,558 kilos., of which 801,994 kilos. is manufacturing-bark, and 118,564 kilos. pharmaceutical bark, containing respectively 50,480 kilos. and 3,970 kilos. quinine sulphate, or 54,450 kilos. in all. The average percentage of quinine sulphate in the manufacturing-bark is 6.29, as compared with 6.34 per cent. in September, and 6.55 per cent. in August.

CLOVES.—No supplies were offered at auction. Privately business has been done in fair Zanzibar at 5d., and for shipment the sales, which have been small, include November-January shipment at 4½d., and sellers of January-March at 4½d. c.i.f. For January-March delivery 5½d. is quoted, and for March-May, 5½d. has been paid.

COCA-LEAVES.—The 178 packages of Java to be offered by auction at Amsterdam on November 4 weigh about 11,498 kilos.

CODEINE.—Since our last report the makers of codeine and salts have advanced their quotations twice, by 5d. and 7d. per oz. respectively. They now quote the pure crystals and pure precipitated at 12s. 1d., hydrochloride and sulphate at 11s. 3d., and phosphate at 10s. 5d. per oz. net, without engagement. Contracts of 70-oz. lots for delivery over six months are quoted 3d. per oz. less than the above prices, and are booked subject to the falling clause on undelivered balances.

COPAIBA is firmer, owing to the fact that very little is offered from the United States, while the demand here has improved, a fair business having been done at up to

1s. 10½d. to 1s. 11d. per lb. for Maracaibo B.P. quality; spot supplies are now very small in consequence, and the position is one of some stringency. Letter advices from New York indicate that several of the large dealers have nothing to offer, and that the stocks are held by two houses, whose prices for shipment are equivalent to those now ruling here.

COPPER SULPHATE is flat, Liverpool brands offering at 18l. 5s., and January-April delivery at 19l.

CORIANDER-SEED is quiet at 8s. 6d. per cwt. for common old, and 10s. 6d. for good new crop Morocco. The quotation for English is 22s., and for Russian 12s. 6d. per cwt.

CUMIN-SEED.—Very little business passing, but the price is firm at 37s. 6d. to 38s. 6d. per cwt. for Malta, and 35s. to 36s. for Morocco.

FENTUGREEK-SEED sells slowly at 8s. 6d. per cwt. for Morocco.

GAMBIER.—Small spot sales of cubes have been made at 38s. per cwt.

GAMBOGE.—Small sales of good Siam pipe have been made at 14l. 15s. per cwt.

GINGER.—At auction 196 bags of fair bright but rather worn Calicut rough sold at 39s. 6d. to 40s., without reserve.

GLYCEROPHOSPHATES.—Owing to the continued advance in glycerin the makers' convention advanced their prices last Saturday by 10 per cent. They now quote 2-cwt. lots and upwards on contract as follows: Lime, 3s. 11d.; potash (50 per cent.) 3s. 5d., (75 per cent.) 5s. 9d.; soda (50 per cent.) 3s., (75 per cent.) 5s. 2d. The above prices are net, packages extra; smaller lots are quoted at the proportionately higher rates.

GLYCERIN.—The Convention met on Tuesday, and as the result of their deliberations, the official price of double-distilled s.g. 1.260 quality was advanced by 5l. per ton, making the basis price 90l. per ton naked in 5 ton lots in 10-cwt. drums, and 94l. in 56-lb. tins and cases.

GUM ARABIC.—Quiet. In Bushire so-called insoluble sorts, holders ask 17s. to 17s. 6d. per cwt. for good, at which sales have been made: ordinary reddish ditto are quoted at from 14s. 6d. to 16s. nominally. Bold picked amber is scarce and wanted, being worth up to 25s., and Mohamerah is also wanted. Soudan gum is firm on the spot at 31s. 6d. for half hard sorts, at which business has been done, and for the new crop, to arrive, 28s. c.i.f. is quoted. Senegal gum is slow but steady at 30s. 6d. f.o.b. Bordeaux.

INSECT-FLOWERS.—The price of good closed remains at 180s., but up to 192s. is asked for finest in one direction. There is practically no demand at the moment, but prices in Trieste remain firm.

IPECACUANHA.—The *Aragon*, from Monte Video, has brought 20 baies of Rio.

JUNIPER-BERRIES.—The first arrivals of the new Italian crop, about 200 bags, have taken place; the value on the spot is about 17s. 6d., and to arrive from 15s. 6d. to 16s. c.i.f.

LIME-JUICE.—Concentrated West Indian is quoted at 16l.

LINSEED is very firm at 60s. per quarter for good quality.

MACE.—At auction West Indian was steady, 16 packages realising from 1s. 8d. to 1s. 9d. for fair to good palish, 1s. 7d. for good reddish, 1s. 4d. to 1s. 5d. for fair red, and 1s. 1d. for broken.

MENTHOL.—Last week's auction sales provide no criterion to private rates, as before the week closed small sales of Kobayashi were made at 8s. 2d. to 8s. 3d. and Suzuki at 8s. 1d. spot. For December-January shipment a sale has been made at 7s. 10½d. c.i.f. for Kobayashi menthol and 5s. 6d. c.i.f. for oil.

MILK-SUGAR.—The health-milk treatment helps to sustain the demand for this product, and some holders maintain they are getting better prices; from 41s. to 42s. is quoted, and slightly less for quantity.

MORPHINE.—The rapid rise in opium announced in our Smyrna cable compelled makers to again raise the price of morphine and salts, and on Wednesday 8s. per oz. was quoted as the makers' price of hydrochloride powder in 1,000-oz. lots, so that quotations are now from 8s. to 8s. 6d.,

as to quantity. In second-hands a good business has again been done, on speculative account, at prices a trifle under those of makers.

MUSK.—Tonquin pod is unchanged, the value of blue skin Pile 1 being 65s., Pile 3 55s., and for old-fashioned from 52s. 6d. to 55s. is quoted, according to quality. Pile 3 is held for 32s. 6d. Carbardine is also unchanged at from 17s. 6d. to 18s. per oz. for Russian.

OIL, ANISEED (STAR) is steady on the spot at 4s. 9d. per lb., and to arrive small sales for October-November shipment have been made at 4s. 1½d. per lb. c.i.f. for "Red Ship."

OIL, BERGAMOT.—The tendency for new crop is easier, and some extremely low prices have been current for shipment, a difference of quite 2s. being shown in quotations. Finest quality is offered at 16s. c.i.f.

OIL, CASTOR.—The firmer tone of last week is maintained. Hull make is quoted 27l. 10s. for first-pressing for prompt to December, and at 26l. 15s. for January-June 1910 delivery, barrels free, delivered free on wharf London. Belgian firsts for prompt delivery is also 27l. 10s., ex-wharf London.

OIL, COD-LIVER.—Although there is very little demand, the market tone is firm, and about the cheapest sellers here ask 68s. 6d. c.i.f. London, but others want 70s. Writing on October 18, our Bergen correspondent states that the market is firm and unaltered at the previous quotation of 70s. per barrel c.i.f. London for finest non-congealing quality. The exports from Bergen up to date amount to 13,330 barrels, against 18,041 barrels at the corresponding date of 1908. Writing again on October 25 our Bergen correspondent states that the market is quiet, but apparently firm, at 70s. per barrel c.i.f. terms. The exports from Bergen up to date amount to 13,617 barrels, against 18,384 barrels at the same date of 1908.

OIL, EUCALYPTUS.—Arrivals amounting in all to between 160 and 200 cases have taken place this week. Prices of B.P. qualities are from 1s. 0½d. to 1s. 1½d., according to eucalyptol content, and globulus at from 1s. 3d. to 1s. 5d.

OIL, LAVENDER.—French is firm, new crop offering at from 11s. to 13s. 6d. per lb., as to brand. The result of this year's French crop is stated to be very unsatisfactory, and the same applies more or less to oil of spike.

OIL, LEMON.—A Palermo report of October 16 states that the market is again inactive, as foreign buyers, with few exceptions, remained indifferent to the advance. In spite of this lack of business, the market remained firm at the higher level reached in the previous week, as the available supply is now in strong hands, and holders of spot goods maintain their pretenses. The attempts to take a bullish view of the new-crop situation do not appear to have met with any success, and the general desire is to wait until new oil is actually on the market. Foreign buyers display little interest, as the general trend of business during the past summer curtailed consumption and stocks have accumulated; from 2s. 11d. to 3s. per lb. c.i.f. London is quoted for forward shipment; and on the spot, prices of good brands vary from 3s. 2d. to 3s. 6d. per lb. as to quantity. A further advice from Palermo, dated October 23, states that the demand is exceedingly quiet, as is not unusual at this period. There is nothing new to report, as everybody maintains their position, waiting future developments when new pressing begins. This may be somewhat delayed this year, owing to the difficult features prevailing in the fresh fruit and citrate of lime business, which handicaps the sale of lemons that used to take place during this period.

OIL, LIME.—Some small sales of West Indian hand-pressed are reported at 5s. 9d. per lb.; good distilled is nominal at 1s. 8d.

OIL, ORANGE, is unchanged, with offers of *sweet* at 6s. to 6s. 1d., and *bitter* at 6s. 2d. c.i.f. London; spot prices are from 6s. 4d. to 6s. 5d.

OIL, PEPPERMINT.—Quiet at from 8s. 6d. to 8s. 9d. per lb. spot for good brands of Wayne County tin oil, and in H.C.H. there is a moderate consuming demand at from 10s. 9d. to 11s., London terms, while the price for shipment prohibits business, being equal to about 11s. 6d. laid down here. Japanese on the spot is offered at 5s. 8d.

for Suzuki, and 5s. 9d. for Kobayashi. (See also Menthol.)

OIL, TURPENTINE, is easier on the week, American closing on the spot at 41s. per cwt.

OLIBANUM is firm, with small sales at from 27s. 6d. to 30s. for medium badly garbled drop, and 17s. for siftings.

OPIUM is again dearer in primary markets, cables having been received reporting business up to 17s. 2d. for 11 per cent. morphine for American account, and 18s. is quoted, but not paid. The spot price of Turkey has advanced in sympathy, and the nominal value of druggists' is now 16s. 6d. to 17s. 6d., Malatia 16s. 6d., and Tokat up to 18s. 6d. Some small sales of druggists' 12 per cent. have been made from dealers' hands at, it is said, 18s. 9d. In Persian opium a good business has been done, principally for November-January shipment at from 15s. 9d. up to 16s. 6d., but at the close 16s. 9d. is wanted.

A Smyrna report for the week ended October 15 states that the sales amount to 64 cases "extra" Karahissar at 15s. 6d. and 16 cases old mixed current qualities at 14s. 2d., all for U.S.A. Eligible material (10½ to 11 per cent.) is now scarce, and the greater part of it is firmly held by interested holders, who are not likely to make concessions. Buyers must make up their minds to pay higher each time. Some rich Yerlis have been placed on the market, but sellers will not listen to any terms under 15s. to 17s., as to quality and strength. Common low-grade stuff, very mixed, of all denominations can still be found at about 11s. to 13s. The arrivals to date amount to 1,524 cases, against 1,839 cases. Writing on October 16, another correspondent states that the sales were 77 cases for the U.S.A., of which 61 were new-crop "extra" at 140 piastres, or 15s. 5d., and 16 cases old crop at 129 to 130 p., or 14s. 2d. to 14s. 4d., per lb. c.i.f. Market closes firmly with buyers; the choice qualities are being sought after, and as they promise to be quickly exhausted, purchasers will be obliged to turn their attention to the old qualities. The difference in price is explained by the inferior morphine-content of the old crop. At the close a sale of 50 cases was made to the U.S.A. at 14s. p., or 16s., per lb. c.i.f. for "extra" quality.

Another correspondent, writing on October 23, states that the sales for the week were 123 cases, including the 50 cases reported above. Prices, which started at 145 piastres (16s.) for choice "extra," closed at 155 piastres (17s.). The sales included old crop, "extra" quality going at 140 piastres, or 15s. 5d., the difference in price being attributable to the percentage which is inferior to the extent of almost one degree of morphine. Market closes firmly, with buyers present and a rising tendency. Arrivals: 1,593 cases, as compared with 1,861 last year at the same date.

The exports of opium from Kermanshah, Persia, during the period 1908-9 amounted to 86,164 lb. (44,620l.), against 172,634 lb. (81,002l.) in 1907-8 and 154,199 lb. (68,763l.) in 1906-7. About 70 per cent. is collected from Kurdistan, Malayir, Nahavend, Burujird, and Luristan, and locally, the remainder being in transit from Hamadan. The greater quantity is exported to Hong Kong. The small amount of the best quality goes to London from Baghdad. A large amount is consumed locally, there being hardly a family without its quota of opium-smokers, and the habit is increasing year by year.

The exports of opium from Smyrna (according to the British Consul) in 1908 amounted to 1,207 cases, or 82 tons, against 1,504 cases, or 100 tons, in 1907, and 3,665 cases, or 253 tons, in 1906. No official statistics of imports and exports are compiled at Smyrna, and the above figures have been taken from the Quay Company's tables issued by the French Chamber of Commerce.

OTTO OF ROSE.—The market for finest brands is firm, agents offering at from 22s. 6d. to 23s. per Turkish oz. on Parry's analysis.

PEPPER, BLACK.—At auction 40 bags fair Singapore were bought in at 4d., and 240 bags fair Alleppy at 4d. Privately the market for Singapore is quiet, the sales for arrival including November-January and December-February shipments at 4d., and January-March at 4½d. c.i.f. d/w. On the spot fair is offered at 4d.

PEPPER (WHITE).—At auction 66 bags of fair Singapore were partly sold at 7d.; 50 bags fair Siam sold at 6½d., and 24 bags Ceylon at 7½d. to 7½d. for good. Privately, the spot price for fair Singapore is 7d., and the sales for arrival include November-January at 6½d., December-February at 6½d., and January-March at 7d. and sellers, c.i.f., d/w.

PETROLEUM is unaltered at from 6d. to 6½d. for ordinary refined American on the spot, at 7d. to 7½d. for Waterwhite and at 5½d. for Russian.

PIMENTO.—At auction there were no offerings. Privately, fair quality is quoted on the spot at 2½d. per lb., and for November-December shipment there are buyers at 20s. 6d. c.i.f.

QUICKSILVER is a very firm market at 8l. 17s. 6d. from the importers, secondhand sellers being practically off the market for the moment.

QUININE.—At the auction of the Amsterdam Quinine-works, on October 22, 1,417½ kilos. (50,000 oz.) Ed. II. was offered, and sold at an average price of 10.47½fl. per kilo., against 10.45fl. at the previous auction. The next sale will take place on November 12, and will also consist of 1,417½ kilos. Ed. II. The London market is unaltered, with a small consumptive demand. Second-hand holders quote German sulphate at 6¾d. to 7d. The "Vossische Zeitung" reports that negotiations are now said to be taking place between the Java planters on the one hand, and the European and American manufacturers on the other, with the object of establishing every year a fixed uniform price for bark and determining the retail prices for quinine, at the same time fixing the limits of export and production to be observed by the Java planters. The Bandong factory is, however, actively opposing the negotiations, fearing that syndicate control of the markets may have a prejudicial effect on their business, and the majority of Java planters have now petitioned the Netherlands Government, which has contracted up to December 31, 1909, for a large proportion of the output of the Bandong factory, not to renew the contract for the forthcoming year.

SANTONIN.—The situation remains substantially unaltered, except that supplies in Hamburg are being doled out by dealers in the smallest of retail quantities; on the spot a little may be had from 35s. to 36s.

SERPENTARY is steady, cables quoting 2s. 2d. per lb. c.i.f., and 1d. less has been refused.

SHELLAC.—Quiet and easier, the value of fair free TN being 65s. to 66s. spot. Good and fine masks are quoted 70s. to 80s. AC Garnet 70s. spot, and 65s. c.i.f., G.A.L. 57s. 6d. to 60s. spot; for arrival TN has been sold for December-February shipment at 65s. and January-February at 65s. 6d. c.i.f. Futures are practically unaltered, the small sale including December at 67s. and May 71s.

SODA CAUSTIC.—The higher strengths are scarce, and several makers have sold their production up to the end of the year. Practically the only maker who is offering for prompt delivery has sold, for export, at a premium of 2s. 6d. per ton, i.e., 11l. 5s. f.o.b. Liverpool, for 77 per cent. to 78 per cent.; 76 per cent. to 77 per cent. is 2s. 6d. less.

TONKA BEANS are firm, Angostura offering by cable at 4s. 10d. c.i.f. and Paras at 2s. 4½d. c.i.f.; on the spot Angosturas are worth about 5s. 6d. per lb.

TRAGACANTH has been in fair demand at full prices, especially for grades under 5l.; the better qualities of Bagdad have also been in request at previous rates. The selection on hand is now poor, with an absence of several qualities. Bagdad firsts are quoted 15l. 5s. to 16l., seconds 14l. to 14l. 15s., thirds 11l. to 13l., and fourths 8l. 10s. to 10l. per cwt..

VANILLA.—The small supply of 150 tins was offered at auction, and practically all sold at higher rates. Foxy brown and split were 1s. to 1s. 6d. higher, and other qualities from 1s. to 3s. dearer. The prices paid were as follows: Seychelles (125 tins sold), fair to good, 7½ to 8½ in., 15s.; 7 to 8 in., 12s. to 15s.; 7 to 7½ in., 12s. 6d. to 14s.; 7 in., 14s. 6d.; 6 to 7 in., 12s. to 13s. 6d.; 4 to 6½ in., 10s. 6d. to 14s. 6d. Good splits, 6 to 7 in., 11s. 6d.; 4 to 6 in., 10s. 6d.; common, 8s. 6d. to 11s. 6d.; various, 3s. to 10s. 6d. Twenty tins common sold at 11s. to 11s. 6d. for 3½ to 8 in.

VANILLIN is in fair demand and still very low, at from 12s. 9d. to 13s. per lb., according to quantity.

WAX, CARNAUBA.—In Liverpool, a small parcel of yellow sold at auction at 118s. In London waxy grey quality is quoted in quantity at 85s.

WAX, JAPAN, is quiet at 45s. spot for good squares, and for arrival there are sellers at 40s. 9d. to 41s., c.i.f.

WOOD OIL.—Small spot sales of Hankow have been made at 28s. 7½d., and for arrival November-January steamer 27s. 6d. c.i.f. has been paid.

Heavy Chemicals.

The general tone of the heavy-chemical market keeps steady, and business on the whole is fair. General demand on home account perhaps has not been quite so brisk, but there has been a good all-round export demand. Business on forward account has been somewhat quieter, but this is not very surprising in view of the fact that a very great many of the regular contracts have already been settled. Prices rule practically unchanged, and are steady.

SULPHATE OF AMMONIA.—This market is weaker, and since last writing prices are lower. There has certainly been a very fair demand on the whole, but the available supplies have been more than ample to cover same, hence the decline. Present nearest figures: Beekton prompt, 11l. 7s. 6d.; January-June delivery, 11l. 11s. 3d.; Beekton terms, 11l.; London, 11l.; Leith, 11l. 7s. 6d.; January-June, 11l. 10s.; Hull, 11l. 1s. 3d.; and Liverpool, 11l. 2s. 6d. Business on forward account is not of great moment, as buyers show little inclination to pay the premium of 2s. 6d. to 5s. per ton asked.

LEAD-PRODUCTS keep steady and are higher, with fair demand. White lead 16l. 15s., and red lead 15l. 15s. per ton Tyne. White acetate of lead 24l. to 24l. 5s., and brown acetate of lead 20l. 5s. to 20l. 10s. Nitrate of lead 25l. 10s. to 25l. 15s., all per ton and less 2½ per cent. Glasgow.

BARIUM-PRODUCTS.—Demand in this branch, both on contract and general account, has been good, with the result that prices maintain a very steady tone. The position is also aided by the fact that the mineral carbonate of barytes or witherite keeps on the very scarce side.

Manchester Chemical-market.

October 26.

The trade of the past month in heavy chemicals has been regarded as good for export, but on home account the demand has been rather quiet. Caustic soda for next year's delivery has shown some improvement, and the lower quotations in the early part of the month appear to have stimulated inquiries. High strengths especially have been in demand, and are reported unobtainable for early delivery. Bleaching-powder closes at 4l. 2s. 6d. to 4l. 5s. per ton for softwood casks on rails, being a shade easier than at the opening. Soda crystals and salt-cake show little or no change. Ammonia alkali has been very steady at 4l. 5s. to 4l. 10s. per ton on rails. Sulphate of copper has been very variable, owing to the peculiar position of the raw metal. This prevents sellers offering in quantity, hence the demand for higher forward prices. There is great distrust of the American reports. White powdered arsenic is dull at about 12l. 10s. to 13l. per ton for white powdered. There is not much change in caustic and carbonate of potash, and the position is good. The position of glycerin here is uncertain generally; the feeling is in favour of higher prices for refined, and this appears to be supported by heavy purchases over the ensuing twelve months. Cream of tartar has shown no change, but acids are generally easier. In the coal-tar products department, the month has been generally downward, especially in sulphate of ammonia, which is 2s. 6d. to 3s. 9d. per ton lower. There is, however, a better feeling at the close, so far as Manchester delivery is concerned, and the closing figure is 10l. 18s. 9d. to 11l. per ton on rails Manchester.

French Drug and Herb Market.

Paris, October 20.

Business in all kinds of drugs is very small, buyers anticipating lower prices for the new autumn crops. There will be some disappointment, however, as bad weather has everywhere retarded and damaged the harvest, so that, with few exceptions, the stocks will not be sufficient for consumption, and prices already show signs of rising.

FLOWERS.—The *Chamomile* crop appears to be finished and the easier rates for the third quality of brownish and white will shortly change; 45s. spot is quoted, and for best white flowers 90s. is asked. *Arnica* (Montana) has been rather quiet, so that the high prices in the beginning declined to 40s. spot (Hamburg). *Anthyllis* is in fair demand at 32s. c.i.f. *Cats-foot* is quoted 60s. *Coltsfoot* is worth from 65s. to 70s. *Lime-tree* is very dull; Russian is quoted 50s. to 60s.; Austrian, fair quality, is 60s., and more preferable. *Malva silvestris*, of very fine quality, is offered at 80s. for prompt shipment. *Red poppy*: Spain is selling at 65s. and asks for bids. *Genista* is offered at 19s. on the spot. *Lavender* is very neglected. After a fair demand all qualities are now obtainable at from 16s. to 80s. *Marigold* is very quiet and cheap at 90s. Hamburg, but is expected to advance.

LEAVES.—Some fair parcels of Italian *Wormwood* in short bunches are offered at 16s. c.i.f. for prompt shipment. *Angelica* is quoted 17s. *Borago* of good current quality is offered

at 17s., and fair green *Tcazle* leaves at 20s. spot Hamburg. *Digitalis* has never been so scarce, the plants having been broken by the hard winter. French *digitalis*, the value of which is generally 28s. to 30s., went up to 45s., and only small parcels are offered. Germany will be unable to supply anything, and France has refused orders of 15 tons. *Hyssop* is cheap at 28s. c.i.f. *Hebanne* is quoted at 42s. c.i.f. *Marsh-trifol* is offered at 22s. for finest green leaves and 19s. for old crop. *Matrisilvia* is very scarce this year, and is obtainable in small parcels at 50s. Hamburg.

LICHENS.—Our new crop of *Carraigheen* has been a good one. Prices for good current moss are between 15s. and 18s. c.i.f. *Iceland* moss, of new crop, is very clean, white, and cheap at 17s. spot Hamburg.

ROOTS.—*Angelica*: The German reports announce a rather small crop, so that there is no hope of lower prices. Good dry (not twisted) root is offered at 57s. 6d. Hamburg. The English distillers seem unaware that in France we have a good current angelica of superior quality than the Belgian, valuing only 75f. (30s.) per cwt. Marseilles, instead of 90f. for the Belgian. *Belladonna* is very quiet. Good heavy root is offered at 45s. f.o.b. and bids are asked. *Calamus*: Large stocks are in the Russian ports; 20s. and below would be accepted. *Colchicum* is offered 33s. f.o.b. *Lovage* (not yet dry enough for export) costs 75s. Hamburg. French *Gentian* is very cheap, good, dry, red-breaking root is obtainable at 15s. 9d. to 16s. Marseilles or Bordeaux for 5-ton lots. The crop has been very good this year, and buyers have waited for dry root now ready for shipment. *Alkanet* (3 Hungarian) is quoted 25s. f.o.b. Hamburg or Trieste.

SEEDS.—*Quince-seed* is in fair demand and costs 3s. 2d.—only obtainable in small parcels. *Peony*: Two small parcels of 5 to 6 cwt. are offered at 1s. 3d. to 1s. 5d. Marseilles. *Colchicum* is very dull: bids of about 43s. would be accepted.

Indiarubber.

The price ruling for Para rubber on the London spot market during the past three weeks—8s. 9d. to 9s. 2d. per lb.—is a record in the history of this product, and 100 per cent. higher than the average value during the years 1905 to 1906. As the public interest is very noticeable at the moment, we give a short report of the situation. During 1906 price had ruled between 5s. and 5s. 3d. per lb., and this continued until the early part of March 1907; from this point values tended downwards, and December 1907 closed with price of Para at 3s. 5d. per lb. The financial troubles in America continuing, rubber was still lower in the spring of last year, and in February 1908 fine Para sold at 2s. 9d. to 2s. 10d. per lb. March 1908 opened firmer at 2s. 11d. per lb., and from this point price continued upwards, and the year closed with price at end of December 1908 5s. 2d. per lb. In the present year (1909) price of Para from January to middle of May ruled from 5s. 2d. to 5s. 4d., which has generally been considered by the trade as a fair normal price for manufacturing. May 1909 closed with Para at 5s. 7½d.; June opened at 5s. 8d. and closed at 6s. 3d.; July price was hurried from 6s. 4d. to 8s. 4d. per lb.; August experienced only slight fluctuations, but towards the end of September spot was driven up to 9s. 2d. per lb.; the present month (October) has seen values tend a little easier all round. The question is frequently asked whether supplies of Para rubber from the Amazon have been unusually small this year, but it will be seen from the following "official figures" that they are normal:

	Tons				
	1905	1906	1907	1908	1909
Receipts in Para during September	2,200	2,070	2,400	2,350	2,020
Receipts in Para during July, August and September	...	4,960	5,600	5,270	5,560

The receipts at Para so far this month amount to 2,600 tons, which points to a probable 3,000 tons for the month.

It is necessary to mention that whereas in 1906 and 1907 the supply of "cultivated" Para rubber from the plantations in the Malay States, etc., was small, they totalled over 200 tons in the auctions held in London in one month recently.

The present high price of Para is accounted for in Mincing Lane by the action of one firm who successfully secured bulk of the stock and drove prices to their present unprecedented level; at recent public auctions this firm has certainly been very aggressive in driving up values and keeping out other buyers as much as possible. In the end the high price looks like seriously injuring the manufacture of rubber goods; already travellers are reporting that their advanced quotations are stopping orders, other cheaper articles being substituted where possible; for instance, indiarubber mats were getting very popular and much in use, but present price has driven users to rope and fibre mats again; the same thing is happening with scores of rubber articles. When an American house cornered the stock of cotton, Manchester spinners reduced their output one half, until the speculator was willing to take a fair price. This might be the better course for rubber manufacturers rather than damage future business by supporting the present high range of values.



Section 2 Licences.

SIR,—Is the Pharmaceutical Council acting on the principle of "giving plenty of rope"?

ZINGIB. (215/71.)

SIR,—We have been grievously misled and are now reaping the result of years of laxity. Our best policy is to see that the regulations are rigorously adhered to both by ourselves and by our competitors.

Lancaster.

WM. ARKLE.

SIR,—The inactivity of the Pharmaceutical Society is incomprehensible to us country chemists concerning the granting of poison licences. I hope a deputation will wait upon them and force them to take action.

Yours truly,

F. CROWDEN.

SIR,—I write to congratulate you on your editorial on the poison-licences. You have summed up the situation splendidly. I do hope your article and Mr. Ridley's letter will set a stone rolling that will effectually put a stop to the wholesale granting of licences.

Yours faithfully,

CUMBERLAND CHEMIST. (213/46.)

SIR,—Well may you ask if Bloomsbury is asleep. I take it that the Council should represent the whole calling of pharmacy. It may not appear necessary for the town chemist to have his lamp trimmed, but I urge my country brethren to rise now and awaken Bloomsbury or else hereafter for ever hold our peace.

THOS. EDMONDSON.

Penrith, October 25.

SIR,—Mr. Ridley's letter in the *C. & D.* of last week thoroughly expresses the feelings of country chemists, who have been very hard hit by the new Pharmacy Act, which has taken away a great portion of their trade and gives what? Nothing. Yet the Council act in a most disinterested manner. Why is it? Why don't they openly declare their policy.

Yours truly,

Penrith.

BANKS SWINBURN.

SIR,—The violation of the spirit of the Act by licensing authorities is most flagrant. If the Pharmaceutical Council are powerless to alter the state of affairs, they should candidly acknowledge it. They explicitly stated last December that the powers of the licensing authorities would be limited by the Privy Council. The Pharmaceutical Society's attitude is most discourteous to local associations—ignoring resolutions—instead of sending a polite answer.

Lancaster.

J. B. SHATTOCK.

SIR,—Just a view (possibly immaterial) of this subject. How many farmers and horticulturists have appeared before the local authorities to show that reasonable facilities for the supply of these preparations did not exist? Yet the Act was supposed to be passed entirely in their interests! To use a "Poker" simile: Manufacturers of these poisonous substances may well smile, after having successfully "bluffed" both the Government and the Pharmaceutical Society with a very weak "hand."

T. JACKSON, Ph.C.

SIR,—Your leading article of this week is one of vital interest to a big majority of the trade, and I trust that so many will take Mr. Ridley's advice to place their views before your readers that Bloomsbury Square, if asleep now, will be wakened up. Such of our body as have thirty years' experience will realise how much the trade suffered through the inaction of the Council in 1880, when the interpretation of the 1868 Act was settled; and if the apathy of that time is to be repeated now the result will be still more disastrous. I have come to the conclusion that I can put my guineas to a better use than supporting a body that does nothing for us. Somebody must set the example.

A COUNTY CHEMIST. (218/68.)

SIR,—The Pharmaceutical Society seem still to act on ancient lines and badly want new ideas—perhaps new blood—not only to tackle the Poisons question, but others as well. The sooner they make up their minds to be up and doing and move with the times, the better it will be for all connected with them. As it is, they fail to serve the great body of the trade and represent only a small section of it—the well-to-do and high-class, dispensing, etc.—they must represent the whole of the interests and thus deserve the gratitude and not the continued dissatisfaction of so many, or assuredly their place will be filled by others more suited to the work, and that can bring more weight to bear on the Government to keep its pledges.

Yours truly,

J. E. CUTHBERT.

SIR,—With reference to the Act recently enacted by Parliament, which governs the sale of poisons in Ireland, I should like very much to know how the Act legally applies in the case of a seed-merchant and ironmonger in Kingstown being granted by the County Council a licence for the sale of poisons for horticultural purposes. It seems preposterous when one comes to realise that within a quarter of a mile radius there are six chemists' establishments, all of which are conducted by qualified men—one in particular catering in the sale of poisons to meet the demands of horticultural requirements—not to talk of the several legal sources in Dublin (which is quite convenient) from which the like can be easily obtained.

Yours sincerely,

A SUBSCRIBER. (215/47.)

[Our correspondent should combine with other pharmacists and druggists in the district to place the facts before the Council, so as to show them that the reasonable requirements of the district are already met. See under "Agri-Horticultural Poisons" in the Supplement of this issue what has been done in Dublin by Messrs. Watson and Wells.—EDITOR *C. & D.*]

SIR,—Notwithstanding that the Cumberland and Westmoreland Chemists' Association passed a resolution with regard to the granting of poison-licences, the Cocker-mouth Council have been recommended to grant licences to four out of seven applicants (the other three were not quite in order, and will most assuredly try again). This right under the very nose of the Association that passed the resolution. Surely it is high time the Council of the Pharmaceutical Society took a test-case. Even if they were unsuccessful it would be of material advantage to the Society. They would then have given a substantial proof of their activity, of their endeavours to protect their members and bring to the fold those wandering sheep who are standing aloof from the Society on the plea that the Society lost all some years ago and they are not going to be participators in a losing game now. Let us unite, then, and urge that a test-case be taken to show our unfair competitors that we are alive. Again, this is not a case for employers only—it is also for assistants. I do not think that the National Union of Assistant Pharmacists would be wrongly employed in helping us to bring pressure to bear on this point. Let them have it down for discussion at all their branches at an early date, and send resolutions, couched in the same terms as the one sent by the C. & W. Association to the Pharmaceutical Society and to their favourite places—i.e., the leads in Parliament. Members of the N.U.A.P. may say, What has all this to do with us? A great deal. You are not going to be assistants all your lives; not one of you knows how soon matters may come to a head and you find yourselves among the employers (I had suddenly to resign the hon. general secretaryship of the N.U.A.P. to become an employer). You, then, being younger men, have longer to live, and so will be the greater losers in the long-run. Bear this fact in mind, and lend a helping hand to other Associations who are trying to bring about a reform which will be to your advantage in the future, be it near or distant. Now is the time to put a stop to this evil while the Poisons and Pharmacy Act is still young, and before the granting of these licences has become a bad habit. Can we not also influence the Association of Women Pharmacists to assist us? Let us hope that they will not have to haul horticultural and agricultural poisons about; but they have the same qualification, and surely

the desire to protect that qualification is as strong in them as in us. I appeal, then, to the younger generation of pharmacists, for we shall be the greater losers if action, and prompt action too, is not taken now.

Keswick, October 25.

S. CARLTON FARRER.

St. Cuthbert's C.A.L. Drug Profits.

SIR,—I note your remarks on page 629 of *THE CHEMIST AND DRUGGIST* this week and also the remarks of your correspondent on page 632. For some time back we have observed your correspondent misstating our sales and profits, but we make it a point never to reply to anonymous contributors to the Press. As a company we are only responsible to our own members, and issue our balance-sheet half-yearly giving a full and fair statement of the transactions of the Society. When they are satisfied we ignore all outside criticism from anonymous contributors. I send you herewith a copy of our last balance-sheet, and on page 23 you will find the sales of our drug department under the columns "By Net Sales" and "By Debts Transferred." Goods that are not paid at the time of purchase are transferred to the member's credit account at the Grocery Branch and paid there. You will observe that the sales of the four departments for the half-year amount to 4,490*l.* 3*s.* 8*d.*, made up as follows: Cash sales 2,744*l.* 1*s.*, and transfers 1,746*l.* 2*s.* 8*d.* Your contributor has ignored, and always does ignore, the credit sales in the department, hence his mistake.

I am, Sir, yours truly,

Edinburgh, October 22. ALLEN WALLACE, Manager.

[We feel sure that our correspondent had no desire to mislead. He said that the sales in the four drug departments of the Association for the last half-year (March 9 to September 7) were 2,744*l.* and the gross profits 1,895*l.* The following abstract shows how matters stand:

TRADE ACCOUNT DR.

	Bread St.	Tynecastle	Hamilton Pl.	W. Nicholson St.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Stock ...	342 1 4	331 0 4	194 15 1	164 15 4
Purchases ...	531 6 5½	293 2 0	249 5 10	197 5 3½
Carriage ...	0 2 0	0 3 7	—	0 1 0
Goods transferred	586 2 1	388 19 5	278 4 1	248 5 2
Gross profits ...	727 5 0	535 3 0	319 12 3	213 12 1
Totals ...	2186 16 10½	1551 8 4	1041 17 3	923 18 10½

TRADE ACCOUNT CR.

	Bread St.	Tynecastle	Hamilton Pl.	W. Nicholson St.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Net sales ...	1192 3 1½	668 9 9	393 17 5	489 10 8½
Debts transferred	612 3 10	519 3 3	362 18 10	251 16 9
Goods transferred	63 1 10	16 7 9	86 14 5	5 10 6
Discharged, returns, &c. ...	20 13 3	38 7 6	11 0 9	10 5 3
Division purchases	2 4 1	0 11 8	1 15 11	1 2 0
Stock ...	296 10 9	308 8 5	185 19 11	165 13 8
Totals ...	2186 16 10½	1551 8 4	1041 17 3	923 18 10½
Net profits ...	451 11 0	329 0 9	157 10 1	152 0 3

The net profits are after allowing for salaries and other items of expenditure. The salaries for the six months were as follows, the figures in parentheses being salaries and the rest: Bread Street, 239*l.* 7*s.* 1*d.* (235*l.* 19*s.* 5*d.*); Tynecastle, 182*l.* 4*s.* 11*d.* (212*l.* 12*s.*); Hamilton Place, 138*l.* 17*s.* 1*d.* (167*l.* 2*s.*); West Nicholson Street, 141*l.* 14*s.* 8*d.* (165*l.* 16*s.* 7*d.*).—EDITOR *C. & D.*]

Methylated Spirit and Price Protection.

SIR,—We normal individuals owe a duty to the philanthropic friend who, like his eccentric friends the Suffragettes, refuses that which is good for him—viz., profit. We must force this luxury into his apparently unwilling pockets, and by thus attending to his financial comfort aid our own. This self-satisfied maniac, like the poor, is always with us; most towns are afflicted with his presence. The P.A.T.A. having reduced his philanthropic inclination to a considerable extent, he has been wandering in darkness for a while seeking a way to benefit the public at the cost of the comfort of his fellow-chemists. Now he has found a popular commodity outside the pale of the P.A.T.A.—methylated spirit. He is in many instances satisfied with halfpenny a pint profit, so I'm told. He doles out his 30-gal. cask into pints, half-pints, and penny-worths—probably about three hundred operations, requiring oftentimes three hundred corks and wrapping to complete—with what result? He is burdened with a profit

of ten shillings. His vexation at this avariciousness is, however, short-lived, for an obliging representative of the Inland Revenue comes along and presents him with a little square of yellow paper, accompanied by a little envelope to match, and—bang goes the ten bob! Humorous it may be to the philanthropist, but I am afraid his neighbours are too dense to see a humorous point in hard work with no reward. To come to the main point, we are told that the Methylated Spirit Trust is powerful enough to control the wholesale prices of all the makers. That being so, they are surely strong enough to enable them to control the retail prices by protecting them at so much per pint and gallon. They are powerful enough to do that if they desire, and it is our duty as chemists to create that desire in their minds. Let each one write to his spirit-house suggesting that the question of retail price-protection be brought by them before the central body that controls the Trust, or whatever it may be called. Spirit has become a household necessity, and a standard price of 6*d.* per pint would not be felt a hardship, and I am satisfied no less would be used under protection than there is now without. However, we can but try: we might be successful, and the result be as great a boon as Mr. Glyn-Jones's beneficial institution the P.A.T.A. I am, etc.,

Newport, Mon.

D. LLOYD JONES.

"Hall Men."

SIR,—It was with great disgust that I read in the *C. & D. Supplement* of the proposed meeting of certificated dispensers at Blackfriars, when the question of registering them and others under the Pharmacy Acts is to be considered. The Pharmaceutical Society has evidently treated the "Hall" assistants and the "others" very shabbily, for I do not think that, up to the present, one of these skilled dispensers has been presented with a Major diploma, which is indeed a very deplorable state of affairs. Why should they go to the fag of passing the Preliminary, the Minor, and the Major? Are not the requirements of their examination sufficiently stringent? Are they not after passing the Assistants' examination, and dispensing for some short time in a public institution, qualified to be registered as "Major" chemists? No! most decidedly not. Having negotiated the "Hall," Minor, and Major within recent years, and subsequently acted in the capacity of demonstrator for two years at the Manchester College of Pharmacy, I think I may claim to know a little about the respective requirements of each individual examination. When one considers the fact that not a few who have passed the "Hall" did so because they could not even pass the Pharmaceutical Preliminary, and consequently much less the Minor, and that they followed the path of least resistance, thereby securing the much more easily obtained certificate of the Apothecaries' Hall, it seems unnecessary to particularise concerning the various requirements of each individual Board of Examiners. Of course, it would not take long to enumerate the requirements of the "Hall" Board, as candidates are only examined in three subjects, and the requisite knowledge of each subject is exceedingly limited and painfully elementary. Further, a candidate may pass the examination, one subject at a time, and it is inconceivable that any person could fail to pass under such conditions. To register such persons as these as pharmaceutical chemists, or even as chemists and druggists, which latter qualification is evidently beneath them, would be a gross insult to pharmacists, a slur on the Pharmaceutical Society, and, for very obvious reasons, a menace to the safety of the community.—Yours, etc.,

Wigan, October 25.

FRANK SLATER, Ph.C.

The Dental Outlook.

SIR,—As the "some one" who advised chemists who undertake dental work to join the National Dental Association, and so "pained" by that recommendation the belated suggester of a Qualified Chemists' and Druggists' Extractor and Adaptor of Teeth Association (which by the way was suggested, although not by that name, early in the year), would you allow me to point out to him that the status of a chemist practising dentistry is to the qualified dentist analogous to that of the drug-stores with an unqualified assistant to the qualified chemist? The fault in both cases does not lie with the individual, but in the

loopholes of the Dentists Act and the Pharmacy Act, 1868. There is no proof that an Association of Qualified Chemist Adaptors and Extractors of Teeth would meet with more consideration than either of the two existing Associations. On the contrary, Dr. Guy's original proposal was to consider only those who are "exclusively" engaged in dentistry. More than that—I have it from him, that he saw no reason to delete that word—and that chemists who practice dentistry have no cause for complaint; inasmuch as, they have their businesses to fall back upon, whereas the unregistered men who are in practice, have nothing but that business, in which they have been brought up. This rather tends to prove that we are not favourably looked upon, and that a C. and D. E. and A. of Teeth Ass. would meet with scant consideration unless a much greater number than the thirteen who sent in their names are willing to join. The Adaptors and Extractors Association has done a great deal to raise the professional tone of its members, and the National Dental Association will formulate rules on similar lines no doubt. What has struck me most, while doing my best to arouse chemists' interest in this matter, is the utter indifference to matters of vital importance and the lack of cohesion in the trade. Of the hundreds of chemists who extract and adapt teeth throughout the country, a bare decimal percentage seems to attach any importance to the matter, while the advance of sixpence a dozen on a patent medicine would cause a panic almost, and produce columns of letters in protest. Why not launch a Chemists' and Druggists' Ass. of A. and E. of Teeth of Great Britain? I ask why? It doesn't appear that it is wanted. The National Dental Association will accept as members all chemists who are eligible.

U. D. P. (215/58.)

"The Chemist can hold his own."

SIR,—I do not think A. H. Jones's suggestion to follow Boots and take up the fancy trade as a side-line is a practicable or profitable one: everybody dabbles in fancy goods, and unless you have a good knowledge of the trade and are a discriminating buyer, you will soon load yourself up with a lot of unsaleable stock. But why want to go into fancy side-lines? Surely a chemist's own specialities ought to be a good and profitable side-line, especially now that a chemist's own specialities can be obtained from a wholesale house far nearer and cheaper than a chemist himself can pack them. What is wrong with the ordinary chemist's sundries, hair, nail, and tooth brushes, sponges and sponge-bags, flesh-gloves, etc.? All these if well and judiciously bought are very profitable lines; but in buying such goods a chemist should not just buy from a price-list or the few samples shown by a traveller: he should go himself up to London and go through the sundries' houses and buy from the newest stock. There are plenty of cheap excursions from the country to London, and I think if chemists who wish to be up to date were to pay a visit to London about twice a year and see the latest goods on show they would benefit much more than by staying at home and grumbling about their competitors. There is, however, another line, not a side-line, but a principal one, to which I am afraid sufficient importance is not given, and that is, Have your shop clean, smart, and well kept; do not be afraid of a little expenditure on gas or other illuminant, and be smart yourself. In dealing with your customers, avoid on the one hand grumpiness, and on the other servility; and if you and your customers do not always see eye to eye on the price of an article, do not make a "sporting offer" or invite them to become your buyer. I may perhaps be rather sanguine, but thirty years' experience of the business under varying phases in different parts of the British Empire and seven years under Boots backs my opinion that a chemist ought to and can hold his own if he seriously sets his mind to it.

MERRY MACK. (218/6.)

SIR,—The query put by Mr. Jones in last week's *C. & D.*, "Are chemists business-like?" can be replied to most emphatically in the negative. I was recently spending a few days in a Lancashire seaside town, and asked at a prominent pharmacist's for an ounce of morphine and ipecaculozenges, and, to my astonishment, was submitted to a severe cross-examination. "Did I want them myself?" "What

for?" "I cannot let you have them without a witness. You see, I don't know you." As I was walking out, he called me back with the words, "I think I will risk it"; and then in reply to my question, "How much?" "Sixpence, please." "What," says I. "Sixpence?" Then the usual silly question, "What did I pay before?" I could give you, Mr. Editor, other instances of bad business methods. If chemists would strive to bring before the public that they are in business not for their own benefit, but for the public solely, once your customer believes this, shoes and slippers can do nothing to injure any business.

Can the promoters of U.C.A.L. explain how it will work out in practice? The theory is most beautiful, but we all know what became of the late Chemists' Association, Ltd., and I am afraid the same fate awaits this venture. It is somewhat peculiar that most chemists have implicit faith that some day, somehow, by some means, one of their preparations will bring them fame and a vast fortune. Now, do Messrs. Miller, Cadge & Co. seriously expect subscribers to believe that the chemist will prefer to sell a "Ucal" article, costing him 6s. 6d. to cover working costs, and a 5 per cent. dividend that might be obtained everywhere, rather than one of his own "pets" costing, say, 4s. 6d.? As to the retailer pushing "Ucals" before his own, not even if they cost less! Well, that is another theory. This is not all, how is the demand for "Ucals" to be created other than with the two essentials—capital and experience? Let every "brother pill" read more carefully his *C. & D.*, taking notes especially of the formulae therein (one alone has made my rent for years), throw off a lot of that professional "side," be up to date and business-like, and we shall hear less wailing and the need of "high-air" schemes.

Faithfully yours,

ALERT. (217/74.)

Preventible Loss on Patents.

SIR,—By either P.A.T.A. or a better understanding among chemists, manufacturers, and drug companies, I hope something can be done at an early date to stop the needless waste which is going on at present. Men who do not keep books often say "they are ready to cut patents to the bone . . . their sale is so small—not worth bothering about"; but let them study the little list which I give and which shows that even chemists in a small way of business are losing 20% to 30% of net profit on a dozen popular patents at least—I suggest 50% as nearer the mark when all patents are considered—which are not on P.A.T.A.: what must it be in a big business? I have only put down as a fair price the usual minimum which the drug companies seem ready enough to fall in with. What would our loss have been if we did not have the P.A.T.A.? I feel sure something can be done in each locality, by united action among the craft, to tackle this difficulty and secure us this net profit. Doubtless even those men who tell us their patent-sales are very small will not be averse to rake in the extra profit. I notice such men never give the actual figures of their patent-sales in ratio to drugs. Is it possible they do not know their yearly patent-sales? I have heard of such ignorance, chiefly when selling their business! Is that another fallacy, or have all our fallacies been shed? I append the little list for your readers to study:

	Supposed Minimum	Present Retail	Loss per Doz.	Loss on Average Sale per Month
	s. d.	s. d.	s. d.	s. d.
Fennings' ...	1 0	0 10½	1 6	1 6
Carter's ...	1 0	0 10½	1 6	3 0
Kepler ..	1 10	1 8	2 0	0 8
Peps ...	1 1	0 11½	1 6	6 0
Bile Beans ...	1 1	0 11½	1 6	3 0
Zambuk ...	1 1	0 11½	1 6	9 0
Doan's ...	2 3	2 0	3 0	6 0
Pink Pills ...	2 3	2 0	3 0	0 7
Clarke's B. M. ...	2 3	1 11½	3 6	0 8
Eno's ...	2 0	1 10	2 0	0 8
Seigel ...	1 1	0 11½	1 6	3 0
Do. ...	2 2	1 11½	2 6	1 3
Total loss per month ...				£2 0 8

Here we have a loss of 20% to 30% a year. Is it worth while, even as an advertisement? When pretty nearly every chemist tries to meet the cut prices it can scarcely be called an advertisement.

JAY MACK.

Miscellaneous Inquiries.

W. B. (198/3).—BOOT-POLISH.—Refer to *C. & D.*, November 14, 1908, p. 774.

Nemo (202/67).—SUGAR-BOILING.—The addition of glucose is made to sugar with the idea of preventing the crystallisation of which your customer complains. The established custom of manufacturing confectioners is to employ cream of tartar, vinegar, or lemon-juice for the same purpose, these vegetable acids having the property of "cutting the grain" as it is called technically. The proportion of cream of tartar employed is $\frac{1}{2}$ oz. to 14 lb. of boil.

B. F. J. C. (208/53).—VETERINARY WOUND-STONE.—The formula for this is—

Iron sulphate	...	...	2 lb.
Alum	...	...	2 lb.
Zinc sulphate	...	...	4 oz.
Copper sulphate	...	...	4 oz.
Armenian bole	...	...	a sufficiency

Powder the ingredients, mix, and fuse. Pour out on to a stone surface and break up into pieces.

In the powder form wound-stone is dusted on to wounds on alternate days, or employed as a lotion (1 oz. to 1 pint).

Malted (205/60).—The specimen is a piece of metal whose composition can only be determined by analysis.

S. (208/59).—The sample of cod-liver oil is only fit for cart or boot grease, and cannot be improved by treatment.

P. & B. (192/13).—COLOUR OF VANILLA EXTRACT.—The resin in vanilla, to which the colour is due, varies from 4 to 11 per cent., and as a dark-coloured product is usually demanded the object is to get as much of the resin in solution as possible. In cheaper extracts potassium bicarbonate is employed to assist the weaker alcohol to dissolve the resin, but this impairs the flavour somewhat. Caramel and azo dyes are sometimes used to give a deeper colour to the extract, and are detected as follows:

The solution, freed from alcohol, is rendered slightly acid with hydrochloric acid and digested for a few minutes on the water-bath, with the result that both the resin and the caramel are precipitated. The precipitate is collected on a filter, washed with water, and dried on the paper at a low temperature. It is then washed with absolute alcohol as long as any colour is removed, this treatment removing the resin and leaving the caramel. The residue on the filter is identified as caramel by dissolving it in hot dilute acetic acid and adding phenylhydrazine, which produces a characteristic reddish-brown precipitate. In order to detect the presence of an azo dye, a small portion of the filtrate from the resin is treated with ammonia, which in the case of the natural product greatly increases the colour. On now adding zinc dust and digesting, the colour should not fade altogether, even on warming, but should assume a tint of about the same intensity as that of the liquid before the addition of ammonia. On the other hand, if the colour is due to an azo compound, the treatment with zinc dust will completely decolorise the liquid, the colour being restored by the action of oxidising-agents.

S. B. (207/22).—GRASS-IMPROVER FOR GOLF-LAWNS.—This is not amenable to analysis. It appears to be some natural product which acts as a fertiliser.

J. P. (199/26).—PENNYROYAL SYRUP.—The sample bottle was empty when it reached us, but this syrup is usually made by adding essence of pennyroyal $\frac{1}{2}$ oz. to simple syrup 19 $\frac{1}{2}$ oz. The essence of pennyroyal is a 1-in-10 solution of the oil in spirit.

Oil Paint (193/11).—(1) LANOLIN CREAM.—The following is from "Pharmaceutical Formulas":

Lanolin anhydrosi	...	...	3j.
Vasellini	...	...	3j.
Glycerini	...	...	3iss.
Ol. lavandulæ	...	...	℥xl.

M.S.A.

(2) LINEN-POLISHING TABLET.—This appears to be white soap cut into flat tablets. It is rubbed on to the linen just before ironing.

R. G. M. (188/61).—We have not been able to trace the book you inquire about.

C. H. W. (99/47).—BLEACHING CHAMOIS LEATHER.—The process consists in immersing chamois leather for half an hour, with constant stirring, at a temperature of 40° C., in a solution of potassium permanganate (1 lb. in 10 gals. of water). The skins are then washed in water and transferred to a solution made by dissolving sodium bisulphite 7 lb. in water 20 gals. and adding hydrochloric acid 3 lb. The skins are left in this solution until completely bleached, when they are removed and washed in water.

A. H. H. (192/67).—SUPPLYING OXYGEN.—The two sizes of cylinders most used are probably those holding 10 and 20 ft. of gas. It is more advantageous to sell gas in the larger cylinders, as some makers charge lower rates for filling cylinders of 20 ft. capacity than for smaller ones. It is better to purchase a few cylinders for a similar reason—that the fillers re-imburse themselves for the use of cylinders by higher charges for filling. As a rule, rent becomes chargeable after a fortnight on tubes lent by the makers, so that where exceptional demands are to be met it is usually more convenient, if not so profitable, to use the makers' cylinders. The rental is about 1s. 3d. a week after the first fourteen days. It is convenient, but not essential, to have a pressure-gauge, regulator, and stands for cylinders. When supplying for lantern-use it is very necessary to be able to check the quantity of gas in a cylinder, as if the amount is short it may lead to the curtailment of a public lecture. A blow-through jet requires 5 ft. of oxygen per hour, but the injector-jet now more frequently employed uses 6 ft. per hour at a pressure of from 12 to 15 lb. per sq. in. For medicinal use the simple inhaling-tube is all that is required—these should only be sold outright, not let out on hire—and for warming the gas in cases of pneumonia it is useful to have a metal gas-warmer for sending out to patients, although the warming can be as readily done by coiling the rubber tube in any convenient vessel of warm water. There are also periodical charges for annealing and re-testing cylinders which have to be taken into account. In regard to the charge to customers for gas, this depends upon the charges for carriage by the railway company, the rate being the same as for mineral waters (Class 2). London chemists charge 3d. and 4d. per cubic ft. for oxygen according to quantity.

A. C. F. (202/48).—CERIUM MIXTURE.—We gather from your letter that you require a mixture containing cerium in solution. The late Mr. J. B. Mackey worked at the subject and obtained patents (which have expired) covering his processes. The first patent (1275/80) was in regard to the preparation of a double citrate of cerium and ammonia, the process being to incinerate the oxalate, dissolve the oxide residue in a mineral acid, precipitate the hydrated oxide with alkali and dissolve the precipitate in solution of ammonium citrate in chemical proportions. In the second patent (5328/84) the hydrated oxide of cerium is converted into the citrate, tartrate, or lactate of cerium by boiling with citric, tartaric, or lactic acid in chemical proportions. The resulting salt is then dissolved in citrate, tartrate, or lactate of potassium, sodium, or ammonium, forming double salts. The specification mentions that these double salts may then be combined with tincture of nux vomica, hydrocyanic acid, pepsin, spirit of chloroform, morphine, or strychnine as a remedy for sea-sickness. There is a recipe in "Pharmaceutical Formulas" for a lac-bismuthi c. cerio, in which the cerium in solution is added to an alkaline bismuth solution before precipitation of the hydrated oxide of bismuth.

J. & S. (195/31).—POULTRY-SPICE.—Your sample has a composition resembling the following:

Powdered fenugreek	...	...	4 oz.
Powdered capsicum	...	...	1 oz.
Iron peroxide	...	...	1 oz.
Powdered anise	...	...	4 oz.
Sodium sulphate	...	...	4 oz.
Linseed meal	...	...	1 lb.

Misc.

F. & Co. (189/39).—COMPRESSED YEAST is made by growing yeast-plants in some sweet liquid, then drying the material to check its growth, and pressing the yeast into cakes. Continental yeasts are distillers' yeasts, and are especially cultivated for the manufacture of compressed yeast. The preparing of the yeast for compression is a matter of screening and washing, one of the washing-waters being a weak solution of ammonium carbonate. The manufacture can only be profitably conducted on a large scale. Ordinary brewers' yeast is not suitable for the purpose, as it contains too small a proportion of the particular yeasts serviceable for the baker, and it has, moreover, a bitter flavour of hops which is difficult to remove.

J. A. W. (192/66).—The brass trays should be well cleaned and then lacquered with a hard varnish. This is not a difficult operation if the brass articles are small. The brass is heated and dipped into or brushed over with a solution of 3 lb. of seedlac in a gallon of methylated spirit. When the lacquer has dried the brass is again heated to a high degree, whereby the lacquer is made practically indestructible by atmospheric agencies and is not readily attacked by resin-solvents. The lacquer may be tinted with gamboge, turmeric, or annatto if desired.

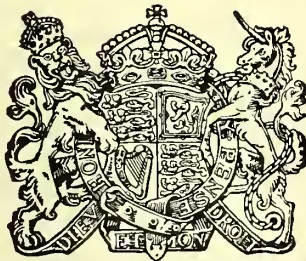
* * * *Exceptional pressure on our space this week compels us to hold over several pages of letters and replies.*

PEARS

SOAPMAKERS

By Royal Warrants to
their Majesties

The



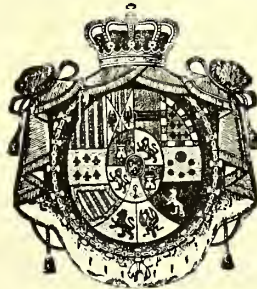
TO H.M. THE KING.

KING
and the
QUEEN



TO H.M. THE QUEEN.

And also



to their Majesties

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KING and QUEEN of SPAIN.

AWARDED 22 PRIZE MEDALS.

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Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali. 58 Degrees.

A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals.

NOTE.—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of FOWLER v. CRIPPS, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

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Manufactured from pure Carbonate, and supplied of all degrees of strength.

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

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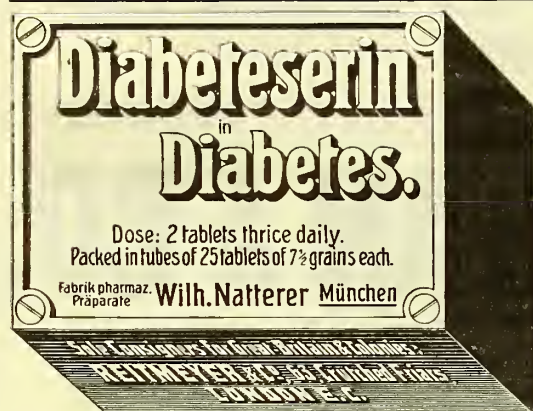
Tinctures, Ethers, Liniments, and Spirituous Extracts, &c., prepared with purest Spirit, and from best quality of raw Drugs, in accordance with requirements of British and other Pharmacopœias, Iodoform (absolute), Iodine Resublimed, Potassium Iodide, Sodium Iodide, all Preparations of Bromine, Santonin (from Turkestan factory), Cocoa Butter, Castor Oil, Chloroform, Cod Liver Oil, Resina Jalapæ, Resina Scammonia.

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Standing the strongest corrosives and highest pressures, for the Chemical and kindred industries.

R. SCHUCHARDT, TRIESTE: Insect Powder, Insect Flowers, &c.

CARL KELLNER. ARLESBERG (in Thür.): Thermometers and Chemical Glassware.



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in
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Packed in tubes of 25 tablets of 7½ grains each.

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Antisclerosin
in
Arteriosclerosis.

Dose: 2 tablets thrice daily.
Packed in tubes of 32 tablets of 7½ grains each.

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CARBONATE, CALCINED, AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

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Is the oldest, most reliable and best remedy for

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AND ALL AFFECTIONS OF THE LUNGS.

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SPECIAL PRICES FOR QUANTITY.

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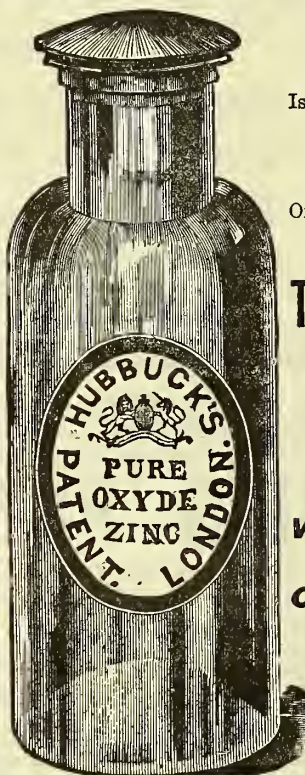
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Huskinson, H. O., & Co.
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Pinkerton, Gibson & Co.
Raines, Clark & Co.
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Sumner, R. & Co.
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Is made by Sublimation, and is Warranted to contain upwards of

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The Great Importance of the following points will appeal to all Chemists:

- I. That the Quality of Drugs, Chemicals, and Galenicals should be of the very best.
- II. That Guarantees of Purity should be required from the Wholesale Houses.
- III. That the Wholesale Houses should be those of standing, whose Guarantees are responsible, and whose identity is known.
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We have issued the following Guarantee for many years, and shall be glad to apply it to the invoices of any of our customers who may desire it:

We guarantee all B.P. articles charged in this invoice to conform to the standard of the British Pharmacopœia, 1898, unless otherwise mentioned; and that all other articles are genuine as described.

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(Signed) RAIMES & CO.



We should esteem the opportunity of meeting, quality for quality, any prices for Drugs and Chemicals advertised to the Trade, under equal conditions.

RAIMES & CO., Wholesale Druggists, YORK.

Largely increased Production and Sale.

Special Terms to large Shippers.

PRECIPITATED CHALK

CRETA PRÆCIPITATA (Calc. Carb. Præcip. Leviss.)

SPECIAL QUALITY.

**FINEST, LIGHTEST,
and
PUREST
IN THE MARKET.**



Every particle is passed
through a mesh of
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to the square inch.

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MAG. CIT. No. 1, 56/- cwt.; No. 2, 64/- cwt.; No. 3, 72/- cwt.

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LIME CREAMS in all sizes

With various labels and varied finish. A homogeneous Pure White Cream, which keeps indefinitely and will not go thick or separate.

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3 oz.	4 oz.	6 oz.	8 oz.	White French Limes.
21/- to 24/-	24/- to 30/-	30/- to 36/-	40/- to 48/-	per gross.

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Fine Chemicals—Pure Alkaloids.

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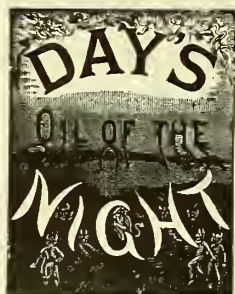
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"A positive pain killer."—DR. GORDON STABLES, R.N.

Advertised Prices ... 1/1½ and 2/9 per bottle.

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Proprietors:—DAY & SONS, CREWE, LTD., CREWE.

Wires:
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HULL."

PREMIER CASTOR OILS

ALL
GRADES
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PACKAGES.

Manufactured by
PREMIER OIL
EXTRACTING MILLS,
LIMITED,
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THE HULL OIL MANUFACTURING CO. HULL, ENGLAND. LIMITED.

PURITY GUARANTEED.

REGISTERED **HOMCO** TRADE MARK.

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CASTOR OIL

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MEDICINAL, FIRSTS and SECONDS.

Our MEDICINAL OIL is specially recommended. Being a Pure Sweet Natural Oil, it is practically Tasteless.

NO ARTIFICIAL BLEACHING; THEREFORE NO RANCIDITY.

CASTOR OILS TO BLEND WITH MINERAL OILS.

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Prices of Iron-Ox Tablets to the Trade.

<u>One Shilling size</u>	Under 6 dozen 10/- per dozen net. Cash with order.
	6 dozen 9/9 per doz. net in 30 days, or 9/6 cash in 10 days.
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<u>Four Shilling size</u>	Under 1½ dozen 40/- per dozen net. Cash with order.
	1½ dozen 39/- per doz. net in 30 days, or 38/- cash in 10 days.
	3 " 37/- do. do. or 36/- do. do.
<u>Mixed Orders</u>	The above terms for 6 dozen 1/- size, or 1½ dozen 4/- size will be given on mixed orders value £3. And our very best terms on mixed orders value £6.

Retail Price P.A.T.A. PROTECTED 1/- and 4/- face value. Carriage paid on all goods.

Attractive Show Cards, Window Slips, &c., Free on Application.

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TABLETS.

To be obtained from all the principal Wholesale Houses or direct from THE IRON-OX REMEDY CO., Ltd., 20 Cockspur Street, Trafalgar Square, London, S.W.

Lymphoid Compound & Lymph Serum

(IN SOLUBLE CAPSULES).

(FOR HYPODERMIC USE ONLY).

These Animal Products are being extensively used with remarkable success as Cell Reconstructors in primary and severe cases of Neurasthenia, Nervous and General Debility, Neuritis, Impotency, Insomnia, Brain Fag, Neuralgia, Depression, and all diseases resulting from cell deterioration.

THE FORMULA OF LYMPHOID COMPOUND.

Lymphatic Glands, Testes } gr. 2	Glycero Phosphate Sod. and Calcium ... gr. 2
Brain and Spinal Cord gr. 2	Strychnine Nit. gr. 1/60
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Supplied only to the Medical Profession, or on prescription through Chemists, solely by

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A Medicine of high repute, enjoying a large and steadily increasing sale, which is supported by a consistent advertising policy.

A customer who once buys Guy's Tonic buys it regularly, because Guy's Tonic always accomplishes what is claimed for it.

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PINK AND WHITE. HUMAN AND VETERINARY.

This can be sold as Chemist's own Preparation.

Put up in 4, 8, and 12 oz. bottles, or in bulk.

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You get 20% or 25% Profit when you sell

CURRY'S Home Remedies.

CURRY'S Ointment	Face	Min. Retail	Min. Whole-
CURRY'S Herbal Pills.	Value.	Price.	sale Price.
CURRY'S Tonic Digestive Tablets.	1/-	1/-	9/- per doz.

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PHARMACEUTICAL Chemicals INDUSTRIAL
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ACETONE
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THERE'S NO TROUBLE.
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SELLS QUICKLY.

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Conoids are the new system of Medical Treatment.



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The Conoid Company's Method for the Cure of Influenza, Colds, and All Ailments of the Nose, Throat and Lungs, by Inhaling Medicated Air will be found far more agreeable than any method at present in vogue—and is absolutely efficacious. Their system consists in impregnating the finest quality of Cotton Wool with the Essences of the most highly approved Medicines; in shaping the Cotton Wool into Conoids which can be readily inserted into the Nostril so that the vapours are inhaled into the Throat and Lungs.

The penetrating power of the vapours will effectually remove the cause of the complaint and the healing and soothing Remedies incorporated in the Medicament will complete the cure.

Influenza—and its dreaded after-effects—will never yield to the old-time remedies. The seat of the mischief is in the respiratory organs, and it needs the knowledge and experience of the Physician, combined with the scientific research of the Chemist, to find a Sure Remedy. This combination has produced the Influenza Conoid, which attacks the cause directly, and never fails to act pleasantly, quickly, and effectively.

CONOIDS are retailed at 1/1½ per Box.

Influenza Conoids

Are neatly packed in Boxes each containing 2 dozen Conoids.

RETAIL PRICE—1/1½ per Box.

A single Conoid will give relief.

**CONOIDS ARE THE NEW SYSTEM OF
MEDICAL TREATMENT.**

Wholesale prices for cash with order—

1 GROSS BOXES @ 9/- Per Dozen Boxes, Carriage Paid.
Less than 1 " " @ 9/6 " " " " " "

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Genuine Ichthyol, as it has been studied and is wanted by the Medical Profession and supplied all the time to the Trade, is delivered by us in tins and bottles under our special label with our name. The use of our registered trade mark "ICHTHYOL" for any other product means deception and dishonesty, and will entail their penalties.

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IN reply to enquiries, we beg to state that Chemists should not request purchasers to sign a Poison Book, seeing that this medicine **does not** come within Part I of the Poisons Schedule.

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117 Union Street, London, S.E.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

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Citric Cryst., B.P. 85, 1 cwt. @ 1/3 1/2 lb.; 7 lb. in Bags @ 1/5 lb.; powder 1/4 lb. extra.
 Diethylbarbituric, 16 oz. @ 38/6 lb.; 1 oz. @ 2/8 oz.
 Gallie pur. P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 Hydrobrom. dil. B.P., 6 lbs. @ 7d. lb.
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 Phosph. Dil. B.P., 8 lbs. @ 4 1/2 lb.
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 Sulphur, Coml., cases, 4 2-gal. jars, 17/- each; 20 cases @ 16/- each.
 Sulph. Aromat., B.P., 5 lbs. @ 3/8 lb.
 Tannic, B.P., 7 lbs. @ 2/2 lb.
 Tart. cryst. or pulv., B.P. 1885, 1 cwt. @ 9 1/2 lb.; 7 lbs. @ 10 1/2 lb. parv. 1/4 lb. extra.
 Adeps Lanae B.P., Anhydrous, 2 cwt. @ 52/6 cwt., Hydrous @ 49/- cwt., 1 cwt. @ 2/- cwt., 28 lbs. @ 5/- cwt., 14 lbs. @ 8/- cwt., 7 lbs. @ 12/- cwt. extra.
 Aloes, Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/5 lb.

Ferri et Quininae Cit., P.B.: 500 ozs. @ 3d. oz.; 100 ozs. @ 3 1/2 d. oz.; 25 ozs. @ 3 1/2 d. oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 2d. lb.
 Ferrum Redact. 80%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.
 Fol. Bucchu, round good green, 7 lbs. @ 1/9 lb.
 Fol. Hyoscyam. Bina., 7 lbs. @ 6/3 lb.
 Fol. Sennæ Alex. parv. 1 cwt. @ 4d. lb.; 28 lbs. @ 4 1/2 d. lb.
 Fol. Sennæ Tinney, 3 1/2 cwt. @ 2 1/2 d. lb.; 1 cwt. @ 3 1/2 d. lb.; 7 lbs. @ 3 1/2 d. lb.; English Ground, 1 cwt. @ 5 1/2 d. lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb.
 Formaldehyde, 40%, 132-lb. Carboys @ 52/- each; 7 lbs. @ 7 1/2 d. lb.
 Gamboge English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/4 lb.
 Honey, fine White Set, 28 lbs. @ 47/- cwt.
 Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.
 Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 Buchu Conc., 1 to 7, 6 lbs. @ 1/1 lb.
 Calumbe Conc., 1 to 7, 6 lbs. @ 1 1/2 d. lb.
 Caryoph. Conc., 1 to 7, 6 lbs. @ 1 1/2 d. lb.
 Cascarella Conc., 1 to 7, 6 lbs. @ 1/2 lb.
 Cinchona Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 Gentiana Conc., 1 to 7, 6 lbs. @ 1 1/2 d. lb.
 Quassia Conc., 1 to 7, 6 lbs. @ 9 1/2 lb.
 Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
 Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
 Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 Lin. Camph. P.B., 40 lbs. @ 10 1/2 d. lb.; 9 lbs. @ 1 1/4 d. lb.
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.
 Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.

*Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8 1/2 lb.
 *Spt. Chloroformi, P.B., 5 lbs. @ 3/7 lb.
 Strontia Bromid., 1 cwt. @ 1 1/2 lb.; 7 lbs. @ 1 1/2 lb.; 1 lb. @ 1/6 lb.
 Strychnina cryst. B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. & Sulphat., 2d. oz. less.
 Sugar of Milk, B.P., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.
 Sulphonat. P.B., 1 lb. @ 9/6 lb.
 *Syr. Aurat. P.B., 7 lbs. @ 8d. lb.
 *Syr. Easton B.P., 7 lbs. @ 1/- lb.
 *Ferri Iodid. P.B., 7 lbs. @ 1/1 lb.
 *Ferri Phosphat. Co., 7 lbs. @ 5d. lb.
 *Hypophosph. Co. B.P.C., 7 lbs. @ 6d. lb.
 *Pruni Virg. B.P., 8 lbs. @ 7d. lb.
 *Rhamni, 7 lbs. @ 10d. lb.
 *Rbel P.B., 7 lbs. @ 7 1/2 d. lb.
 *Scillæ P.B., 7 lbs. @ 4 1/2 d. lb.
 *Sennæ P.B., 7 lbs. @ 8d. lb.
 *Tolut. P.B., 7 lbs. @ 7d. lb.
 *Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; Bond 8 1/2 d.
 *Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; Bond, 2/- lb.
 *Tinct. Benzoin Comp., P.B., 5 lbs. @ 3/5 lb.; Bond, 8 1/2 d.
 *Tinct. Camph. Comp., P.B., 5 lbs. @ 2/5 lb.; Bond, 6 1/2 d.
 *Tinct. Cantaridis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
 *Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.
 *Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond, 6 1/2 d. lb.
 *Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 6 1/2 d. lb.
 *Tinct. Chlorof. c. Morph. Comp., B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5 lb.

NO AMALCATION, BUT RE-ORGANISED 1902 AS A RESULT OF MANY YEARS' PREVIOUS EXPERIENCE AS A WHOLESALE DRUGGIST.

A few reasons why we have been able to build up a new Business in so short a period and make it such a success:

QUALITY.—This can always be relied upon, and has made our business what it is to-day.

PROMPTNESS.—We always endeavour to dispatch Goods the day the order is received.

PRICES.—Are they Right? The proof is we could not live a day if they were not, as Competitors would be only too proud to undersell us.

PACKAGES.—These are Free and this saves all expense of Return Carriage.

BAD DEBTS AND REPRESENTATIVES.

We have none, therefore our Customers do not have to pay the usual percentage which Ordinary Wholesale Houses have to obtain from their Customers to help pay these very heavy charges, and we also save our Customers' time (Money) spent in interviewing the Gentlemen of the Road.

ADVERTISING (last but not least) The current

prices weekly to the Trade for specified quantities, thus every Business Man, whether in touch daily with the Market or not, sees the current prices and saves his time (Money) in writing the Wholesale House or bargaining with Representatives.

LONDON.—Why buy from London? Because the great majority of Imports are sold by public auction in London, giving those on the spot greater opportunities than Houses situated in the provinces.

Ammon. Carb. lump, 3 cwt. @ 3 1/2 d. lb.; 28 lbs. @ 4 1/2 d. lb.; 7 lbs. @ 5d. lb.; powder, 1/4 lb. extra.
 Amyli pulv., 10 cwt. @ 13/3 cwt.; 2 1/2 cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.
Bismuth, P.B. Carb., 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.
Camphor, English Flowers, "not artificial," 5 lbs. @ 1/10 1/2 lb.; 1/2 oz. 7 lbs. @ 2/0 1/2 lb.; 1/4 oz. 7 lbs. @ 2/3 1/2 lb. Orude, 140 lbs. @ 1/4 lb.; 28 lbs. @ 1/5 lb.
 Octaceum: No. 1, fine white, 64 lbs. @ 1 lb.; 7 lbs. @ 1 lb.; powder, 7 lbs. @ 1 lb.
 Chloral Hydras xt. B.P., 7 lbs. @ 4/2 lb.; 1 lb. @ 4/6 lb.
Cocaine Hydrochlor. B.P., 25 ozs. @ oz.; 4 ozs. @ 7/10 oz.; 1 oz. @ 8/- oz.
Cream Tartar, 98% powder, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
 Ess. Lemon, 12 lb. Copper @ 3/6 lb.; 61-lb. bots. @ 4/0 lb.; not guaranteed absolutely pure.
 *Ext. Belladonnae Liq. B.P., 5 lbs. @ 4/7 lb.; 1 lb. @ 5/- lb.
Ext. Cascara Sag. Liq., B.P., 10 lbs. @ 1/2 lb. [3/2 lb.]
 *Ext. Ergot. Liq. P.B., 5 lbs. @ 2/11 lb.; 1 lb. @ 4/3 lb. [9 1/2 d. lb.]
 Ext. Filicis Liq., P.B., 9 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb. [9 1/2 d. lb.]
 Ext. Gent., P.B., Solid, 1 cwt. @ 8 1/2 d. lb.; 7 lbs. @ 8 1/2 d. lb.
 *Glycyrrh. Liq. B.P., 6 lbs. @ 1/4 1/2 lb.
 *Hamamelis Liq. P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam. Solid, B.P., 3 lbs. @ 5/6 lb.; 1 lb. @ 5/11 lb. [11/3 lb.]
 *Ext. Ipecac. Liq. P.B., 5 lbs. @ 10/8 lb.; 1 lb. @ 10/8 lb.
 *Malti c. Ol. Jecoris, 10 lbs. @ 5 1/2 d. lb.
 *Ext. Nucis Vom. Liq. B.P., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid 4/4 lb. extra.
 Ferri Ammon. Cit., P.B., 28 lbs. @ 1/4 1/2 lb.; 7 lbs. @ 1/7 lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.

*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10 1/2 d. lb.
 *Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.
 *Antim. Chlor. Pure, 8 lbs. @ 6 1/2 d. lb.
 *Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 *Arsenil Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 *Bismuth. P.B., 6 lbs. @ 10 1/2 d. lb.
 *Copaiba Bucha et Oubey, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
 *Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 *Ferri Dialysatus, 6 lbs. @ 7d. lb.
 *Ferri Iod. p.s. 1-7, 1 lb. @ 5/8 lb.
 Ol. Olivæ, P.B., Flav., 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall.
 Ol. Santal. Flav. Ang., B.P., 5 lbs. @ 10/1 lb.; 1 lb. @ 10/6 lb.
Quininae Sulph., B.P., 400 oz. @ 6 1/2 d. oz.; 100 oz. @ 6 1/2 d. oz.; 25 oz. @ 7 1/2 d. oz.; 10 oz. @ 8d. oz.
 Sapo Cast. Alb., 10 cwt. @ 23/- cwt.; 2 cwt. @ 24/- cwt.; 7 lbs. @ 23/- cwt.; Mottled, 2 cwt. @ 27/6 cwt.; 1 cwt. @ 29/6 cwt.; 7 lbs. @ 4d. lb.
Shellac (Orange), 1 1/2 cwt. @ 72/- cwt.; 7 lbs. @ 10 1/2 d. lb.
 Soda Caustica, 28-lb. tin @ 8 1/2 d. lb.; 6 1-lb. Bots. @ 10d. lb.
 Sodii Bromid. P.B., 1 cwt. @ 1/0 1/2 lb.; 7 lbs. @ 1/2 lb.
 Soda Cit., B.P., 3 lbs. @ 1/10 lb.
 Sodii Hyposulph., pea cryst., 1 cwt. @ 8/6 cwt.
 Soda Salicyl. Pulv., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
 Soda Sulphocarbolas B.P., 7 lbs. @ 10 1/2 d. lb.; 1 lb. @ 1/1 lb.
 *Spt. Æther Nit. P.B., 4 1/2 lbs. @ 3/8 lb.; 1 lb. @ 3/9 lb.

*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/4 lb.; Bond, 10 1/2 d. lb.
 *Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.
 *Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6 1/2 d. lb.
 *Tinct. Gelsem., B.P., 5 lbs. @ 2/10 lb.; Bond, 6 1/2 d. lb.
 *Tinct. Gentiane Comp., B.P., 5 lbs. @ 1/1 1/2 lb.; bond, 6 1/2 d. lb.
 *Tinct. Hyoscyam., B.P., 5 lbs. @ 2/5 lb.; bond, 6 1/2 d. lb.
 *Tinct. Iodi, B.P., 5 lbs. @ 3/11 lb.; bond, 1 1/2 lb.; decolor, 5 lbs. @ 4/3 lb.; bond, 1/0 1/2 lb.
 *Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7 1/2 d. lb.
 *Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9 1/2 d. lb.
 *Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.
 *Tinct. Quininae Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.
 *Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 4d. lb.
 *Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; Bond, 7 1/2 d. lb.
 *Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3 1/2 lb.
 *Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8 1/2 d. lb.
 *Tinct. Valeriana., 5 lbs. @ 2/8 lb.; bond, 6d. lb.
 *Tinct. Valeriana Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8 1/2 d. lb.
 *Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6 1/2 d. lb.
 *Tinct. Zingib. Fortior, 5 lbs. @ 4/3 lb.; bond, 10 1/2 d. lb. [2d. lb.]
 Treacle (Black), 5 1/2 cwt. @ 7/6 cwt.; 24 lbs. @ Ung. Acid. Boric. P.B., 28 lbs. @ 6 1/2 d. lb.; Flav. 28 lbs. @ 4 1/2 d. lb.
 "Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
 "Gallæ P.B., 7 lbs. @ 10d. lb.; 1 lb. @ 11d. lb.
 "Opio, 7 lbs. @ 2/2 lb.

*Minimum quantity at these prices, Home Trade, 8 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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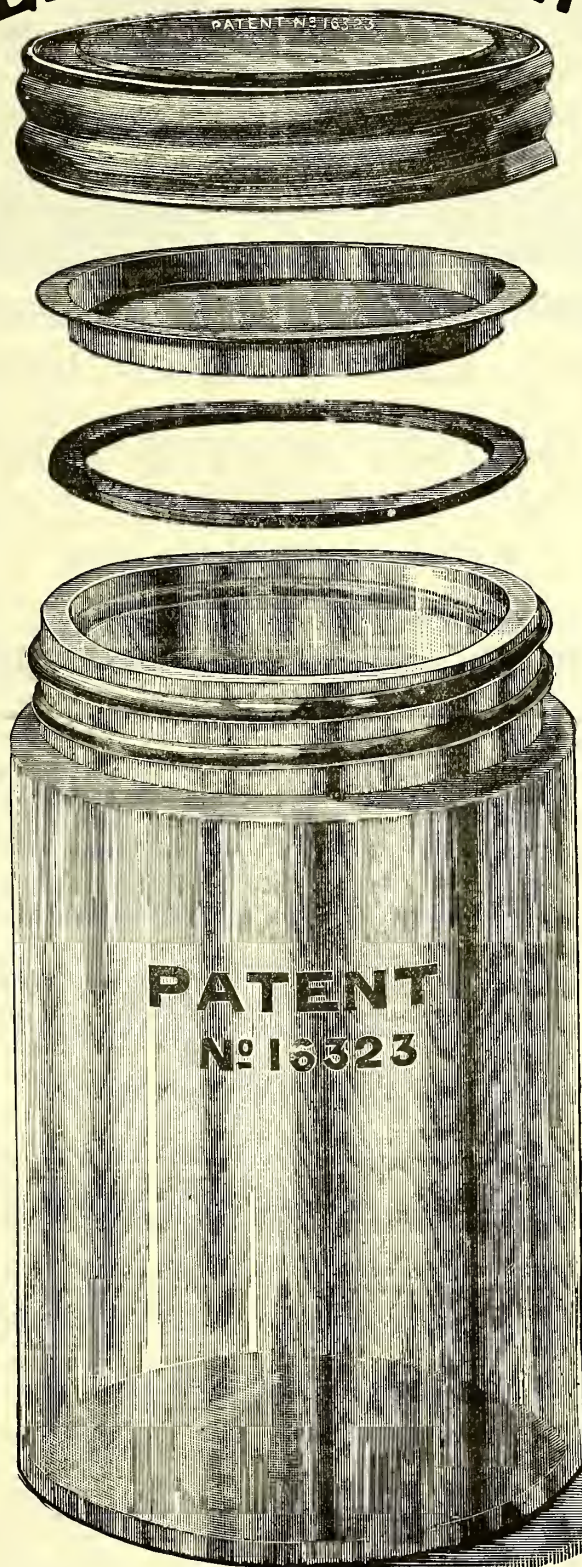
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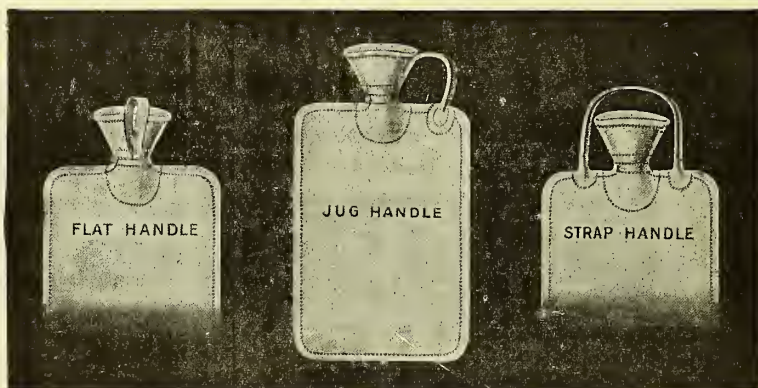
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**American Patent
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A "hot" winter line

—one that is better than those you have been handling is the

DUNLOP HOT WATER BOTTLES

There's satisfaction in selling a "DUNLOP" because they are thoroughly made, properly tested, and come from the most up-to-date rubber works in the country.

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Manor Mills, ASTON, BIRMINGHAM.

ASTON, 123 East.

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"VICTORIA" CHERRY TOOTH PASTE.

All Ingredients Pure and the
Best Quality Obtainable.

Per doz. Sell at

Small Round ...	3/3	6d.
Large " ...	6/3	1/-
Square ...	3/9	7½d.
Oblong ...	6/6	1/-

Will keep in all climates.

Apply for samples, stating quantities required, to

ARTHUR BERLINER, SURGICAL DRESSING
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LONDON, E.C.

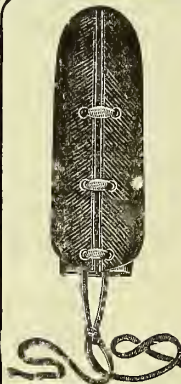
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"FOLDO"

FINGER STALLS.



WE beg to draw your attention to the increasing popularity of these Finger Stalls, which are now being made in Black and Brown Leather and Waterproof Cloth. The fact that they are so easily adjusted to fit over a bandage of any size, and always have a neat appearance, has been the means of ensuring them the ready sale which they undoubtedly deserve.

Since their introduction by us, at the beginning of 1907, the sales have steadily progressed, and we find that this Finger Stall is rapidly superseding the older forms in chamois leather and silk, which, however well made, can never fit as accurately, or look as neat, as does the "Foldo."

OBTAINABLE OF ALL WHOLESALE HOUSES.

Sole Agents for the United Kingdom and all Colonies
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SOLPORT BROS.,

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Telephone—4363 CENTRAL. Telegrams—"SOLPORT LONDON."

HOT-WATER BOTTLES

GUARANTEED FOR 2 YEARS.

Both "heavy" and "light" bottles are made from
best quality rubber.



Fig. 955.

TOP HANDLE.

SIZES.	HEAVY. s. d.	LIGHT. s. d.	PLUSH COVERS. s. d.
6 x 8 inch ...	2 8 each	2 5 each	0 8 each
6 x 10 " ...	3 0 "	2 8 "	0 8 "
6 x 12 " ...	3 5 "	3 1 "	0 10 "
8 x 10 " ...	3 8 "	3 2 "	0 10 "
8 x 12 " ...	4 2 "	3 7 "	0 11 "
8 x 14 " ...	4 9 "	4 2 "	0 11 "
10 x 12 " ...	4 9 "	4 2 "	0 11 "
10 x 14 " ...	5 4 "	4 10 "	1 0 "
12 x 14 " ...	6 2 "	5 7 "	1 2 "

N.B. Owing to the recent enormous rise in the price of raw rubber we are compelled to add an advance of 10% on above prices. This advance will be taken off the moment the state of the market permits, but as the present indications point to still higher prices, we strongly advise all our friends to place their orders for winter stock at once.

Each one in neat paper bag with directions for using.

For orders of two dozen bottles assorted we will put rubber tablet with customer's name on free of charge.



Fig. 957.

SIDE HANDLE.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

OUR GOODS ARE RIGHT AND PRICES LOW.

WRITE FOR NEW ILLUSTRATED PRICE LIST, POST FREE.

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Seasonable Lines of British Manufacture

HOT WATER BOTTLES.
COVERS for HOT WATER BOTTLES.

BELTS for WINTER WEAR.
SOUTH DOWN HYGIENIC WOOL CHEST PROTECTORS.

Best quality.

Finest Workmanship.

Smartest Finish.

Greatest Value for money.

Enquiries for Samples and Quotations solicited.

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VINCENT WOOD

For BRITISH MADE

Hot-Water Bottles.

One Quality only—

GUARANTEED RELIABLE.

10 x 8 3/6, 12 x 8 4/- each.

Other Sizes in Proportion.

Also NEW COVERS.

CHEST AND LUNG PROTECTORS,
WINTER BODY BELTS, TRUSSES,
ELASTIC HOSE, and
Surgical Appliances generally.

4 Albion Place, Blackfriars Bridge,
Send for List. **LONDON, S.E.**

THE NEW 'ADAPTABLE' HOT WATER BOTTLE

(REGISTERED DESIGN.)

Suitable for many purposes for which the old-fashioned shape is useless

For BED WARMERS.

For CARRIAGES.

For MOTOR CARS.

For INVALIDS, &c.

Customers can have their names, &c. printed on reverse side.

LOW PRICES. BIG DISCOUNT.

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SURGICAL, CHEMICAL, DOMESTIC ARTICLES, SYRINGES, ENEMAS, WATER BEDS.

Manufacturers of every description of **INDIA RUBBER**, Wholesale & Export only.

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[See p. 447, C. & D., April 24, 1909.]

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Hand or Machine Made.

To suit all Climates.

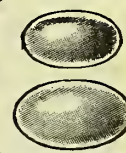
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Best Finish.



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BURGESS' LION OINTMENT

Others may come and others may go,
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For over thirty years this preparation has steadily progressed in public favour wherever the use of an Ointment is indicated, its sale is world wide, and the trade mark is protected by registration in all the Colonies, and other countries. To Chemists it may be considered an addition to their Sundries trade, as nearly all users of same require lint, bandages, antiseptic fluid, or some accessory.

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NEWSOME'S LINTS & BANDAGES.

The Superior Quality of this Lint is admitted.

The VD Quality is quite pure, and of great superficial area and exquisite softness. The C, D, E, and F qualities are equally pure and absorbent. Also other qualities for hospital use. XW and F.

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Bleached and Unbleached
Bandages, in Open Wove, Calico,
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Plain and interleaved.

Also Abs. Wool and Gauze, Tow, &c.

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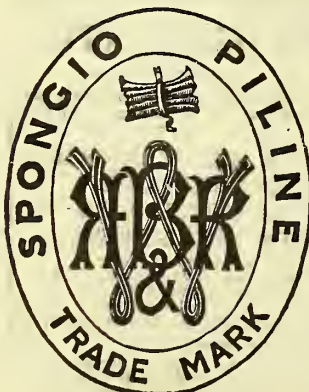
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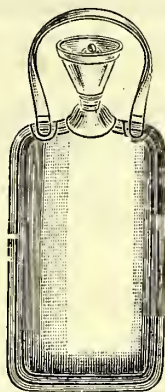


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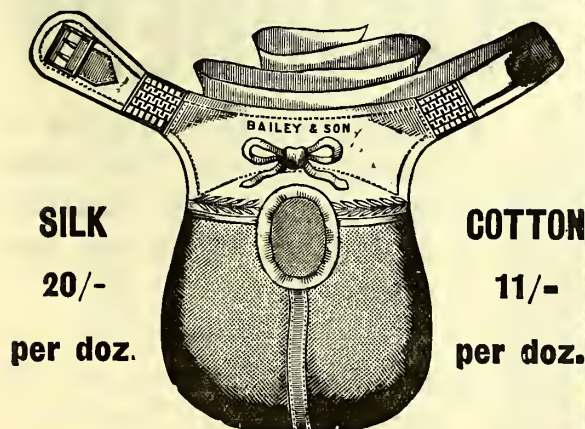
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SILK

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Assorted—A, small; B, medium; C, large bags.

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Would you like
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We make the New Shape, Oval Fronted Bottles. No extra charge.

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9/- 10/- 15/- 20/- per gross } graduated, quinine tinted.

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3 & 4 6 & 8 12 16 ounce. } Round edges, plain or
7/6 8/6 12/- 18/- per gross } graduated, clear blue tinted.

PANEL BOTTLES (reduced prices).

2 3 4 6 8 ounce
7/6 8/- 8/- 9/- 10/- per gross.

WHITE PHIALS—GOOD QUALITY.

3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

3/6 gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

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And all other Natural Mineral Waters.

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(Wholesale only.)

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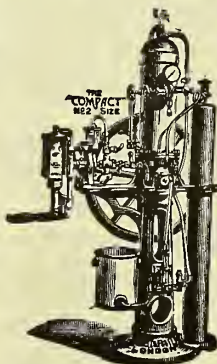
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are specially designed for
CHEMISTS, GROCERS, RESTAURATEURS,
and everyone to whom space is an object,
and can be used for filling Syphons, Codd's
Bottles, or Cork Bottles.

OCCUPY LITTLE SPACE!
ARE READY FOR USE IMMEDIATELY!
REQUIRE NO FIXING!

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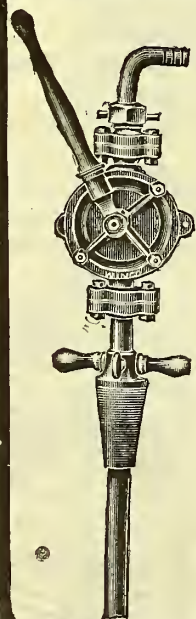
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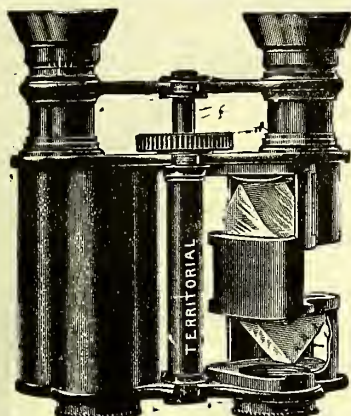
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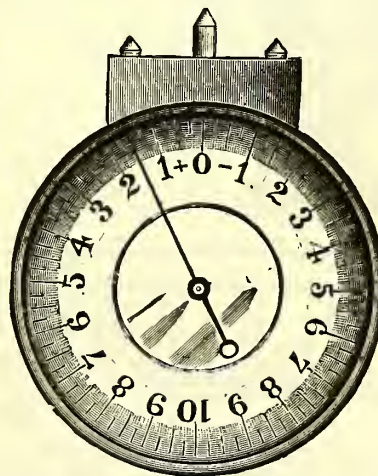


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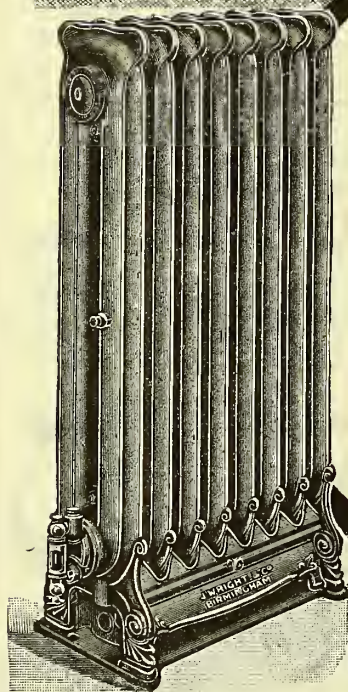
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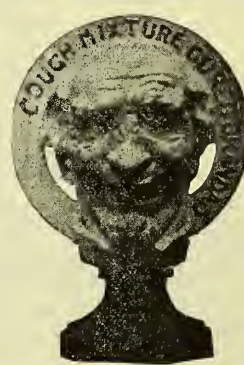
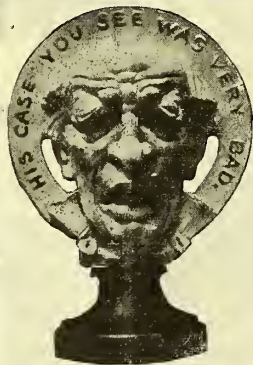
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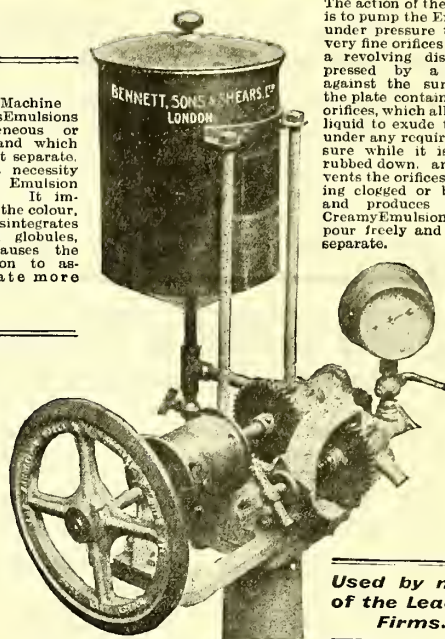
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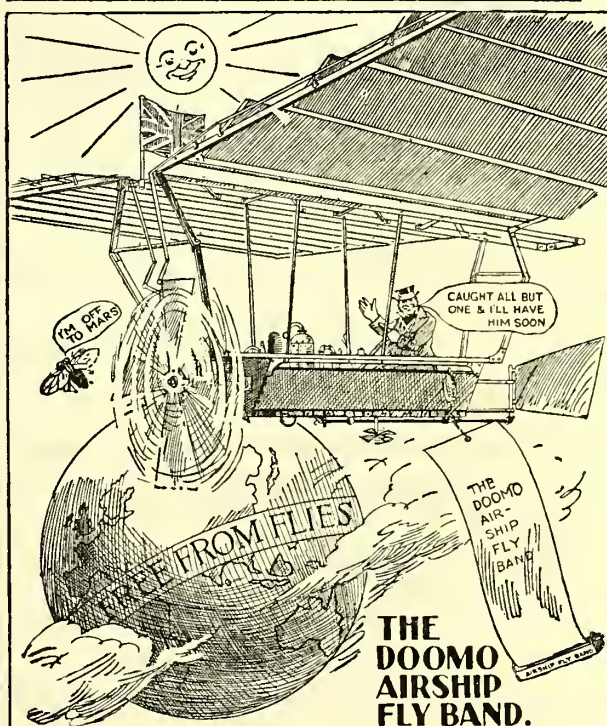
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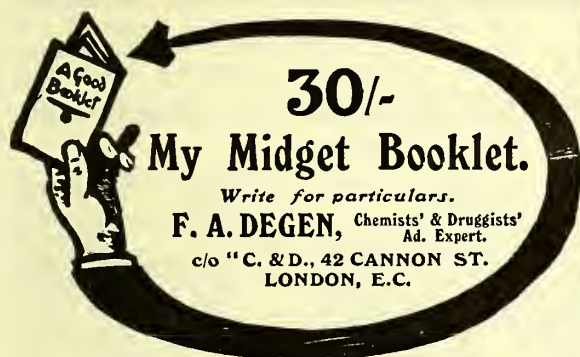
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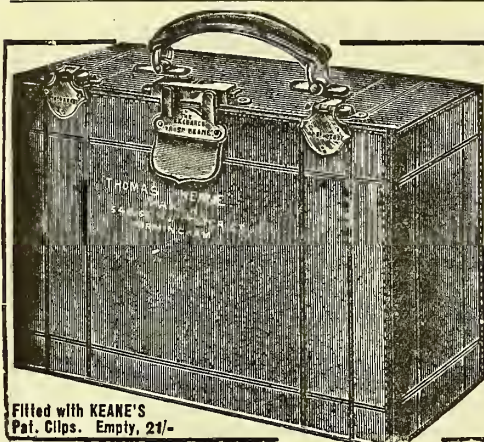
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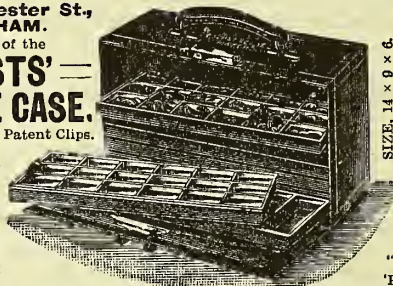
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"Yours faithfully,
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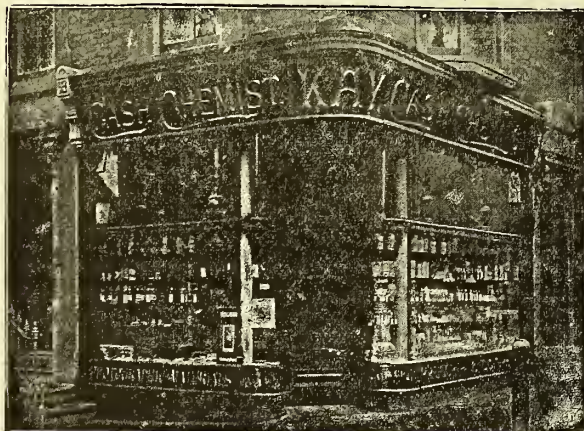


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Chemists' Shop Fitter, Shop-Front Builder,
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ESTIMATES FREE.

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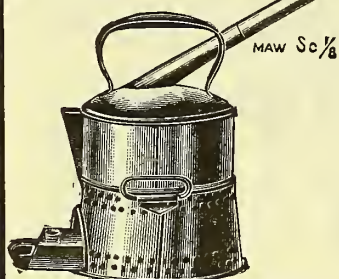
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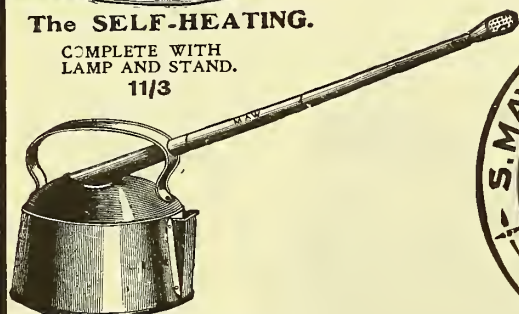
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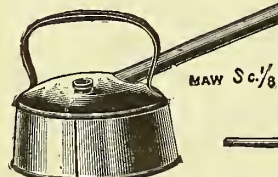
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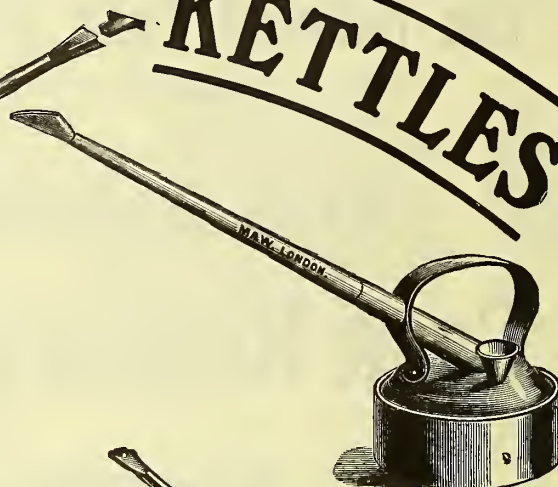
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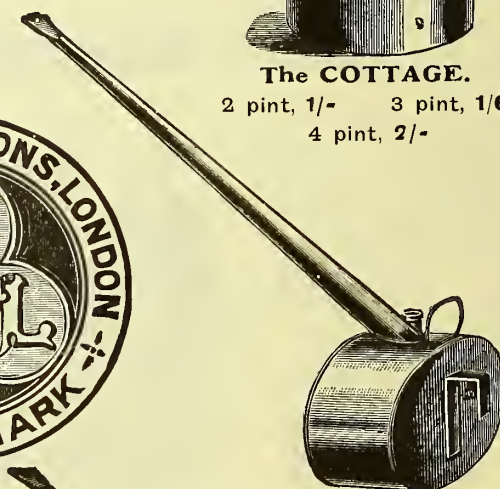
**The STEAM DRAFT.**

WITH PRESSURE
REGULATOR.

4½ pint, 2/6

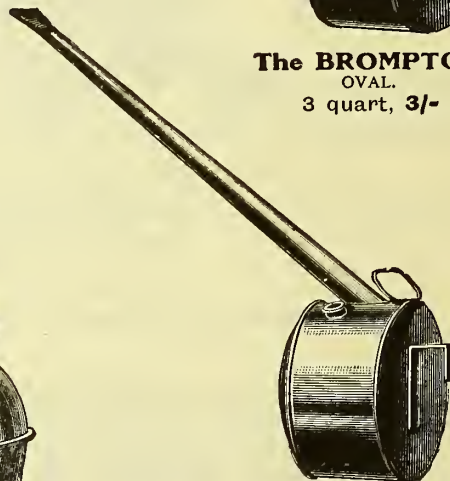
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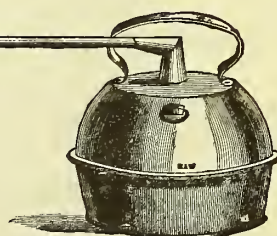
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